

1

2

3

4

5

D

C

B

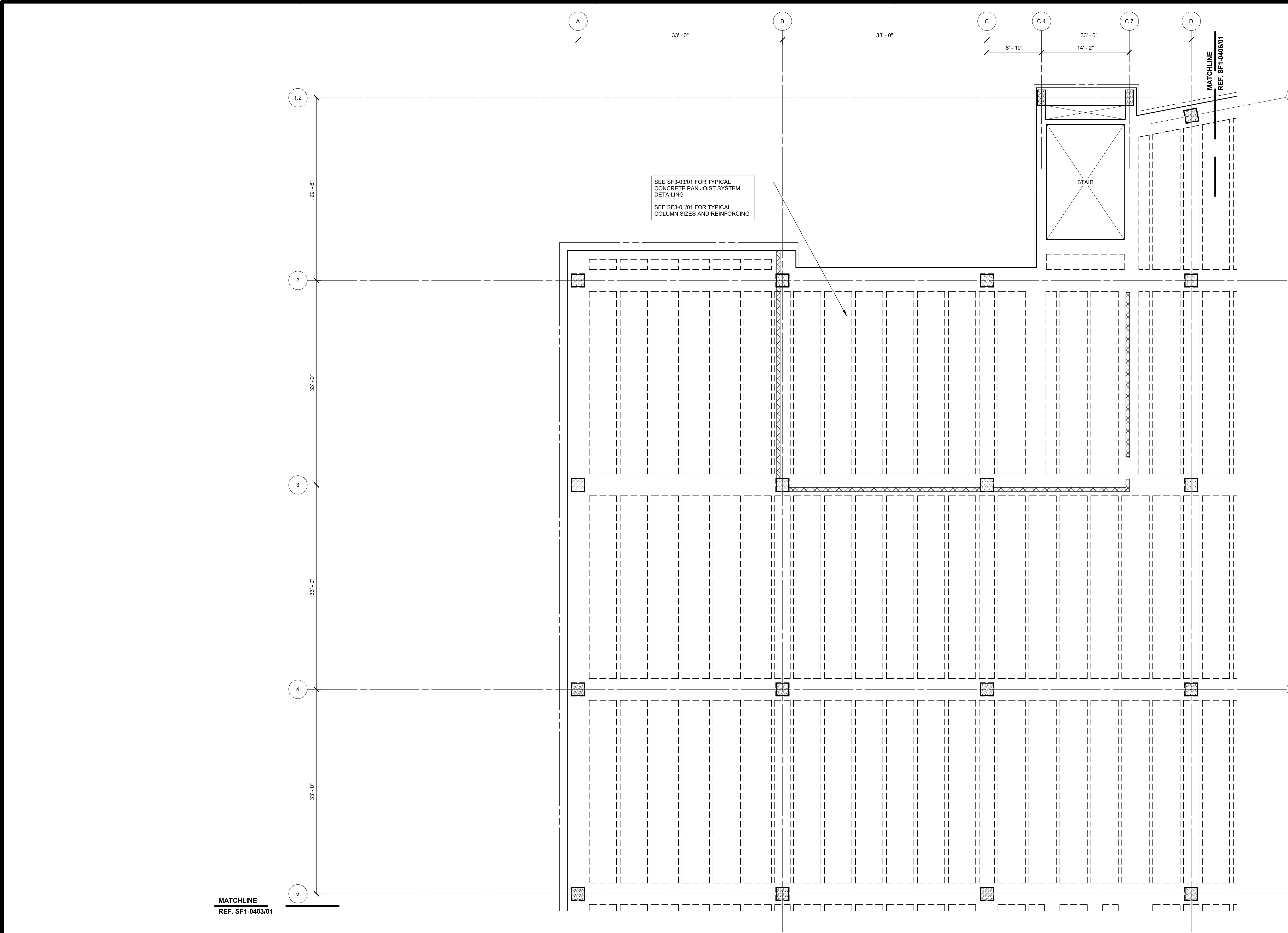
A

D

C

B

A



- PLAN NOTES:**
- SEE S&O SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
 - TOP OF CONCRETE ELEVATION = FINISH FLOOR ELEVATION, U.N.O. - RECESS AS NOTED ON PLAN.
 - VERIFY ALL SLAB OPENINGS, EDGES, DEPRESSIONS, AND CURBS WITH THE ARCHITECTURAL AND MEP DRAWINGS. THE GC SHOULD VERIFY PRIOR TO PLACEMENT OF SLABS.
 - TYPICAL LEVEL 04 FLOOR CONSTRUCTION:
 - 24.75" TOTAL THICKNESS
 - 20" DEEP PANS
 - 4.75" THICK SLAB
 - GIRDER, BEAM, AND JOIST WIDTHS AS SCHEDULED.
 - STEEL BEAMS SHALL BE SPACED EQUALLY UNLESS NOTED OTHERWISE.
 - STEEL CANTILEVERS SHALL MATCH THE BACKPAN UNLESS NOTES OTHERWISE.

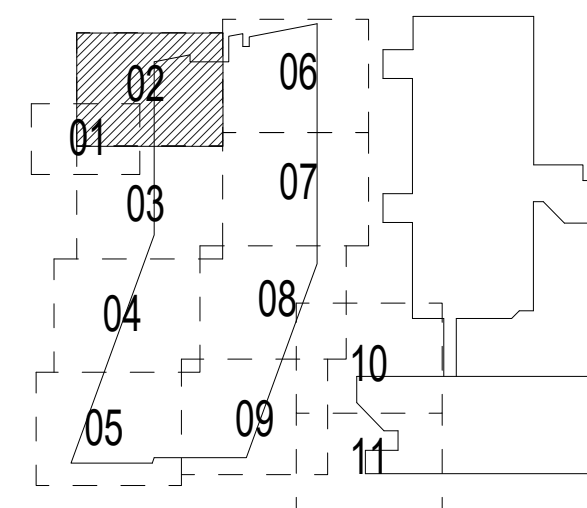
SEE SF3-03/01 FOR TYPICAL CONCRETE PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN SIZES AND REINFORCING

STAIR

MATCHLINE
REF. SF1-0406/01

MATCHLINE
REF. SF1-0403/01

01 PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 02
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 345' - 4"



KEY PLAN

DATE	APP'R
DESCRIPTION	SYN
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	REQ
ACTIVITY	
SATISFACTORY TO	DATE
DES xxx	08/22/2018
DRW xxx	CHK JKH
PMDM MrRLT	
BRANCH MANAGER	
CHIEF ENGINEER	xxx
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVFAC USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 02	
SCALE:	AS NOTED
EPROJECT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
SF1-0402	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

SEE SF1-0402 FOR PLAN NOTES

MATCHLINE
REF. SF1-0402/01

MATCHLINE
REF. SF1-0407/01

5

32'-7"

6

7

32'-9"

8

9

10

10'-0"

10'-0"

11

MATCHLINE
REF. SF1-0404/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

A B C D
33'-0" 33'-0" 33'-0"

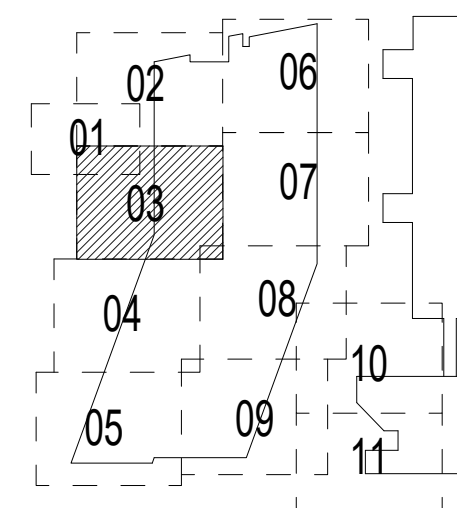
6" E.L.I.

ELEV. #7

ELEV. #5

ELEV. #6

STAIR



01 PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 03

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

FINISH FLOOR EL. = 345' - 4"

KEY PLAN

NO.	DATE	DESCRIPTION	BY	CHKD.



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PMO MRLKT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

BETHESDA, MD

USUHS EDUCATION & RESEARCH

BUILDING ADDITION

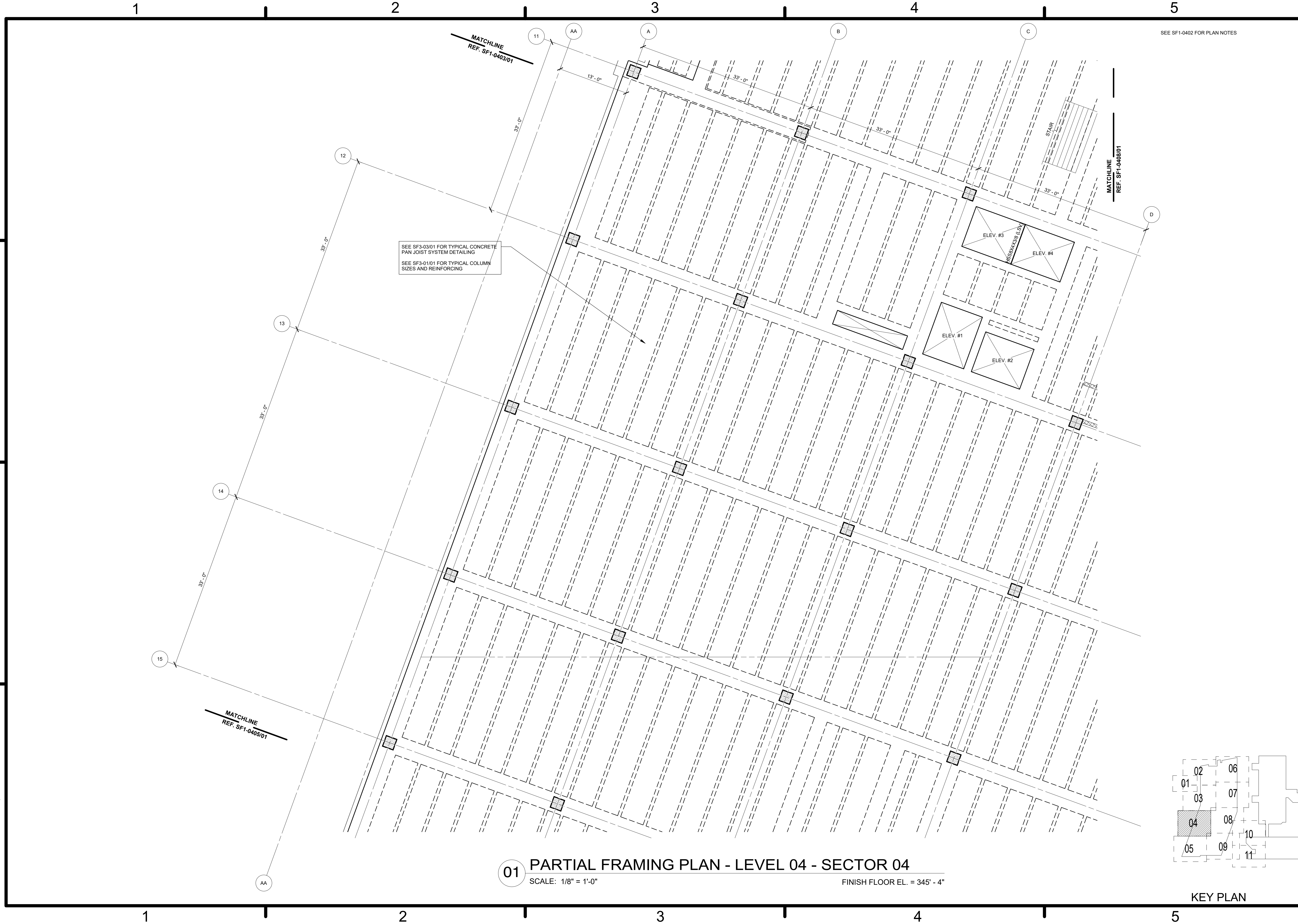
PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 03

NAVFAC DRAWING NO.

SHEET OF

SF1-0403

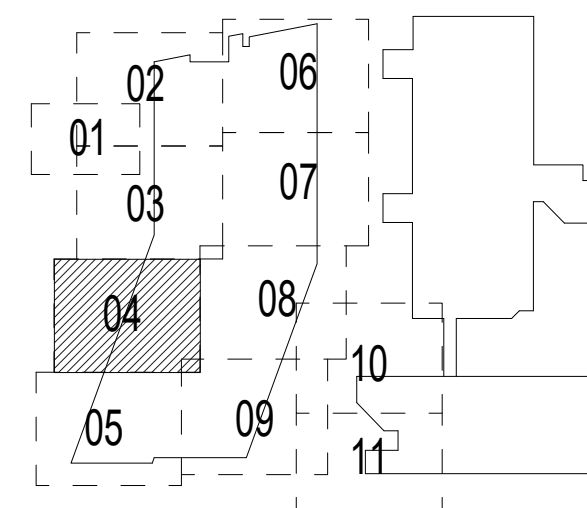
DRAWING REVISION: 31 JANUARY 2017





SEE SF1-0402 FOR PLAN NOTES

SEE SF3-03/01 FOR TYPICAL CONCRETE PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN SIZES AND REINFORCING

01 PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 04
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 345' - 4"



KEY PLAN

NO. _____	DATE _____	APP. _____
SY. _____	DESCRIPTION _____	DATE _____
		
		
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200		
APPROVED _____	AE REG. _____	SEA _____
FOR COMMANDER NAVFAC		
ACTIVITY _____		
SATISFACTORY TO _____ DATE 08/22/2018		
DES. xxx	DRW. xxx	CHK. JKH
PMDM MrRLT		
BRANCH MANAGER _____		
CHIEF ENGINEER xxx		
FIRE PROTECTION _____		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 04		
SCALE: AS NOTED		
EPROJCT NO: 1583241		
CONSTR. CONTR. NO. _____		
NAVFAC DRAWING NO. _____		
SHEET _____	OF _____	
SF1-0404		
DRAWING REVISION: 31 JANUARY 2017		

1

2

3

4

5

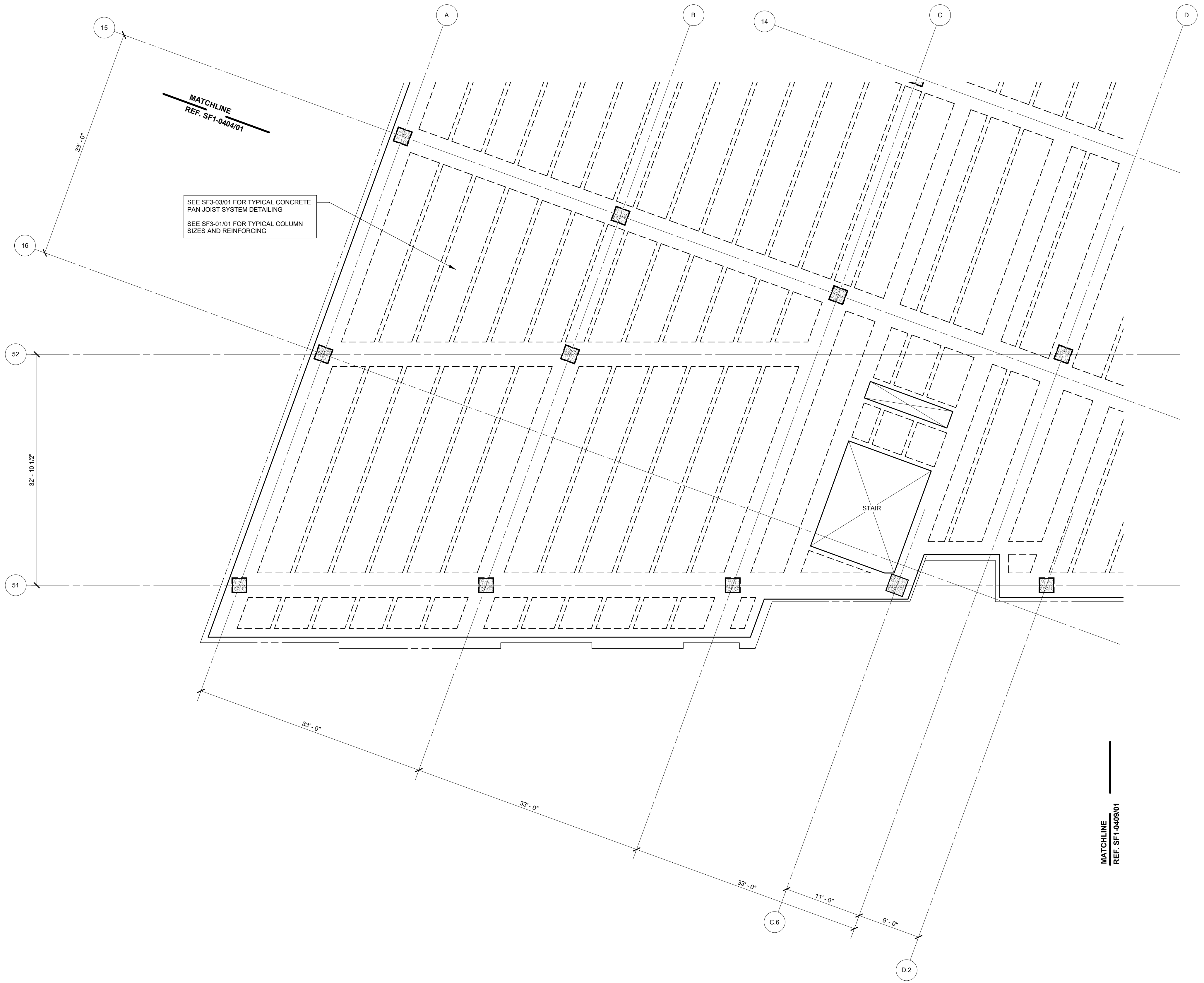
SEE SF1-0402 FOR PLAN NOTES

D

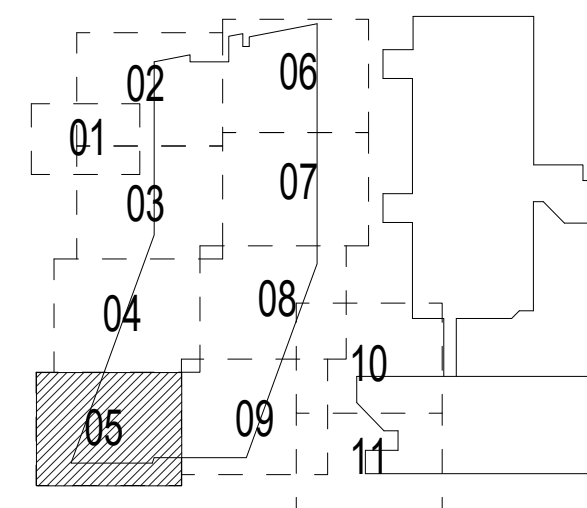
C

B

A



01 PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 05
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 345' - 4"



KEY PLAN

NO. 1	DATE	APPR.
NO. 2	DATE	APPR.
NO. 3	DATE	APPR.
NO. 4	DATE	APPR.
NO. 5	DATE	APPR.
NO. 6	DATE	APPR.
NO. 7	DATE	APPR.
NO. 8	DATE	APPR.
NO. 9	DATE	APPR.
NO. 10	DATE	APPR.
NO. 11	DATE	APPR.
NO. 12	DATE	APPR.
NO. 13	DATE	APPR.
NO. 14	DATE	APPR.
NO. 15	DATE	APPR.
NO. 16	DATE	APPR.
NO. 17	DATE	APPR.
NO. 18	DATE	APPR.
NO. 19	DATE	APPR.
NO. 20	DATE	APPR.
NO. 21	DATE	APPR.
NO. 22	DATE	APPR.
NO. 23	DATE	APPR.
NO. 24	DATE	APPR.
NO. 25	DATE	APPR.
NO. 26	DATE	APPR.
NO. 27	DATE	APPR.
NO. 28	DATE	APPR.
NO. 29	DATE	APPR.
NO. 30	DATE	APPR.
NO. 31	DATE	APPR.
NO. 32	DATE	APPR.
NO. 33	DATE	APPR.
NO. 34	DATE	APPR.
NO. 35	DATE	APPR.
NO. 36	DATE	APPR.
NO. 37	DATE	APPR.
NO. 38	DATE	APPR.
NO. 39	DATE	APPR.
NO. 40	DATE	APPR.
NO. 41	DATE	APPR.
NO. 42	DATE	APPR.
NO. 43	DATE	APPR.
NO. 44	DATE	APPR.
NO. 45	DATE	APPR.
NO. 46	DATE	APPR.
NO. 47	DATE	APPR.
NO. 48	DATE	APPR.
NO. 49	DATE	APPR.
NO. 50	DATE	APPR.
NO. 51	DATE	APPR.
NO. 52	DATE	APPR.
NO. 53	DATE	APPR.
NO. 54	DATE	APPR.
NO. 55	DATE	APPR.
NO. 56	DATE	APPR.
NO. 57	DATE	APPR.
NO. 58	DATE	APPR.
NO. 59	DATE	APPR.
NO. 60	DATE	APPR.
NO. 61	DATE	APPR.
NO. 62	DATE	APPR.
NO. 63	DATE	APPR.
NO. 64	DATE	APPR.
NO. 65	DATE	APPR.
NO. 66	DATE	APPR.
NO. 67	DATE	APPR.
NO. 68	DATE	APPR.
NO. 69	DATE	APPR.
NO. 70	DATE	APPR.
NO. 71	DATE	APPR.
NO. 72	DATE	APPR.
NO. 73	DATE	APPR.
NO. 74	DATE	APPR.
NO. 75	DATE	APPR.
NO. 76	DATE	APPR.
NO. 77	DATE	APPR.
NO. 78	DATE	APPR.
NO. 79	DATE	APPR.
NO. 80	DATE	APPR.
NO. 81	DATE	APPR.
NO. 82	DATE	APPR.
NO. 83	DATE	APPR.
NO. 84	DATE	APPR.
NO. 85	DATE	APPR.
NO. 86	DATE	APPR.
NO. 87	DATE	APPR.
NO. 88	DATE	APPR.
NO. 89	DATE	APPR.
NO. 90	DATE	APPR.
NO. 91	DATE	APPR.
NO. 92	DATE	APPR.
NO. 93	DATE	APPR.
NO. 94	DATE	APPR.
NO. 95	DATE	APPR.
NO. 96	DATE	APPR.
NO. 97	DATE	APPR.
NO. 98	DATE	APPR.
NO. 99	DATE	APPR.
NO. 100	DATE	APPR.

NAVFAC

HKS WSP JV
JOINT VENTURE
HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PMOM MRL/KT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

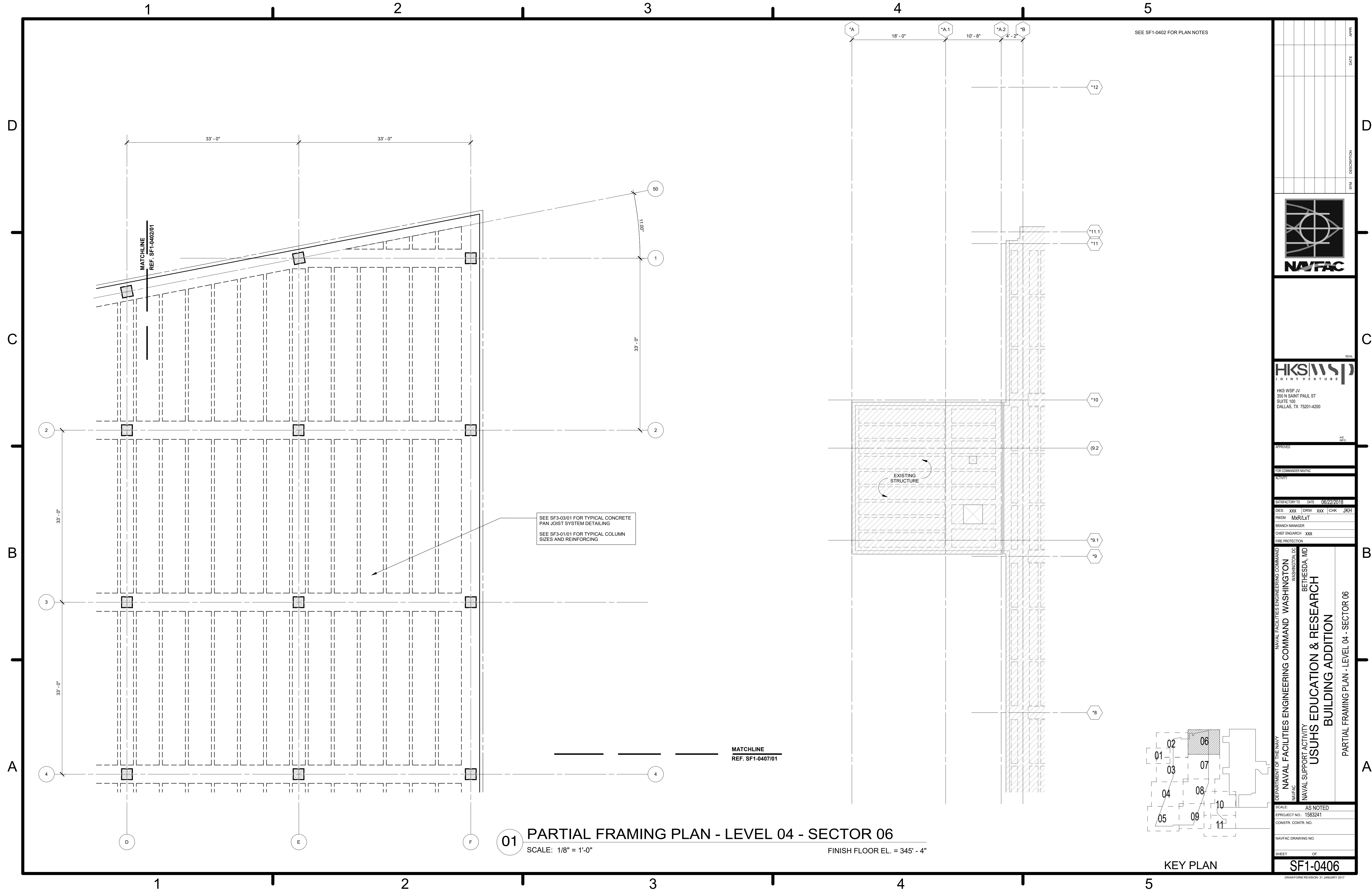
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, DC
NAVFAC
BETHESDA, MD
USUHS EDUCATION & RESEARCH
BUILDING ADDITION
PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 05

SCALE: AS NOTED
EPROJCT NO: 1583241
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

SF1-0405
DRAWING REVISION: 31 JANUARY 2017

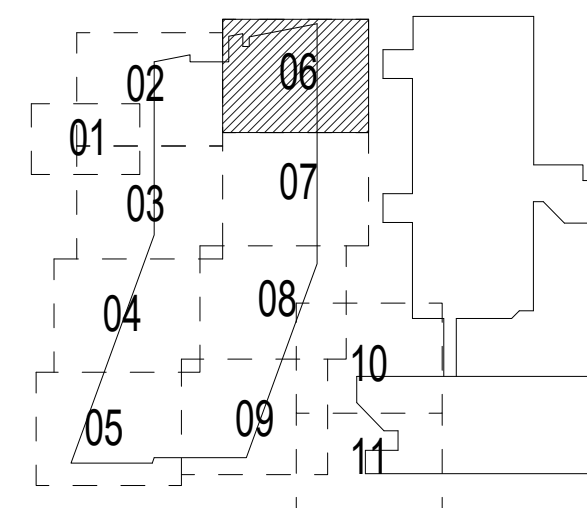


SEE SF1-0402 FOR PLAN NOTES

SEE SF3-03/01 FOR TYPICAL CONCRETE PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN SIZES AND REINFORCING

MATCHLINE
REF. SF1-0407/01

01 PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 06
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 345' - 4"



KEY PLAN

NO. 1	DATE	APPROVED
NO. 2	DATE	APPROVED
NO. 3	DATE	APPROVED
NO. 4	DATE	APPROVED
NO. 5	DATE	APPROVED
NO. 6	DATE	APPROVED
NO. 7	DATE	APPROVED
NO. 8	DATE	APPROVED
NO. 9	DATE	APPROVED
NO. 10	DATE	APPROVED
NO. 11	DATE	APPROVED
NO. 12	DATE	APPROVED

NAVFAC

HKS WSP
JOINT VENTURE

HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PM/D MR/LKT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, DC

NAVFAC
WASHINGTON DC

**USUHS EDUCATION & RESEARCH
BUILDING ADDITION**

BETHESDA, MD

PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 06

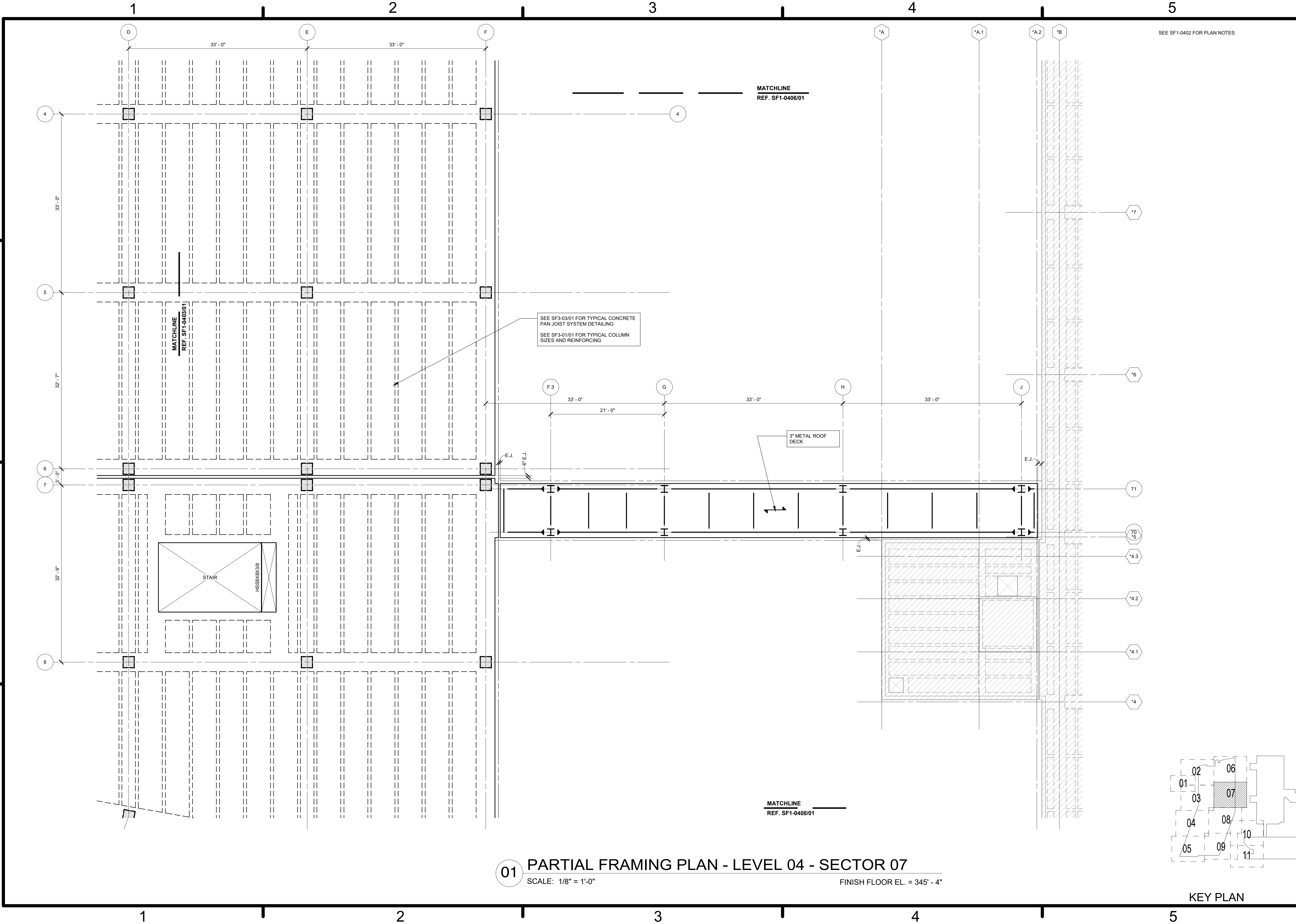
SCALE: AS NOTED
EPROJECT NO: 1583241
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

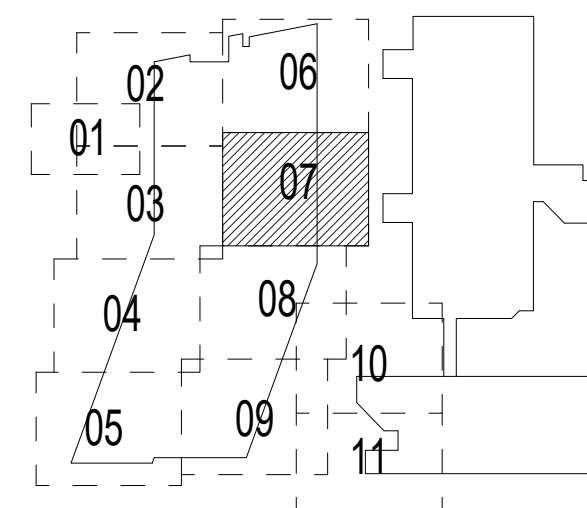
SF1-0406

DRAWING REVISION: 31 JANUARY 2017





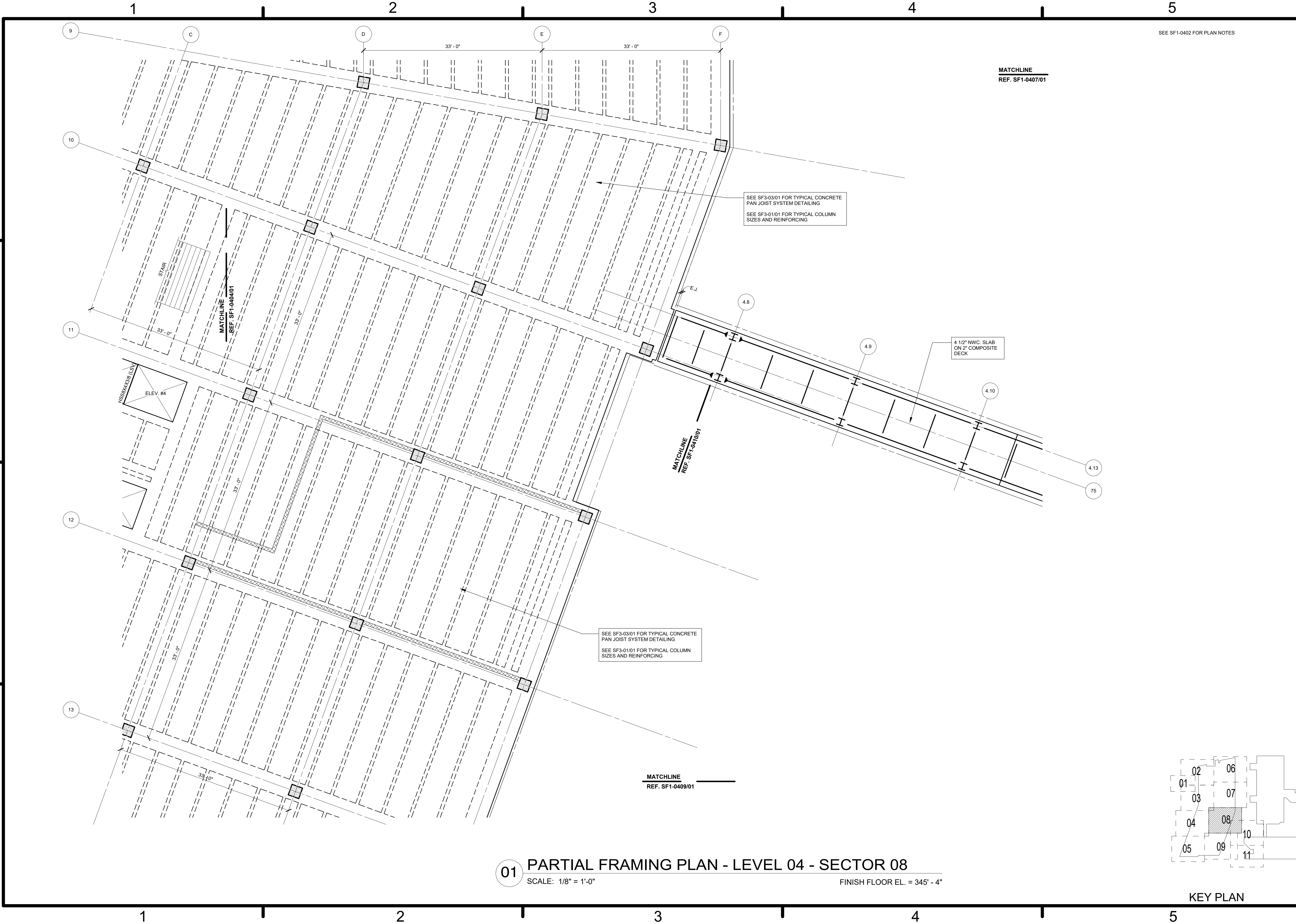
SEE SF1-0402 FOR PLAN NOTES

01 PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 07
 SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 345' - 4"



KEY PLAN

DATE	APP'R
DESCRIPTION	SWR
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES XXX	DRW XXX
CHK JKH	
PM/MD MrRLT	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC WASHINGTON DC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 07	
SCALE: AS NOTED	
EPROJECT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
SF1-0407	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	



SEE SF1-0402 FOR PLAN NOTES

MATCHLINE
REF. SF1-0407/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

4 1/2" NWC. SLAB
ON 2" COMPOSITE
DECK

MATCHLINE
REF. SF1-0410/01

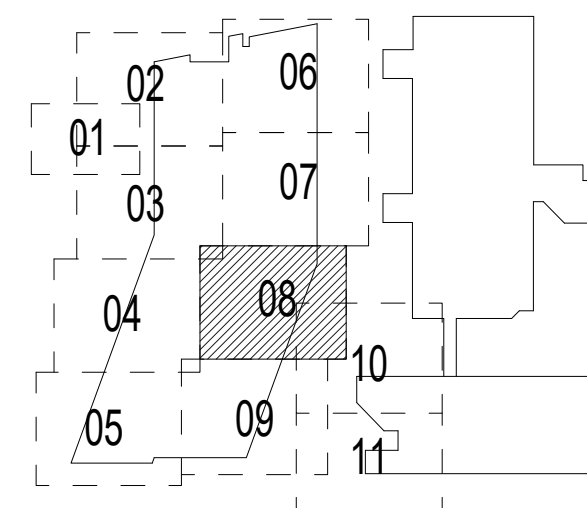
SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

MATCHLINE
REF. SF1-0409/01

01 PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 08

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

FINISH FLOOR EL. = 345' - 4"



KEY PLAN

DATE	APP'R
DESCRIPTION	SYN
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	REF
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES XXX	DRW XXX
CHKM	JKH
PMOM	MJR/LKT
BRANCH MANAGER	
CHIEF ENGINEER	XXX
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC BETHESDA, MD NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 08	
SCALE:	AS NOTED
EPROJCT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
SF1-0408 <small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

SEE SF1-0402 FOR PLAN NOTES

MATCHLINE
REF. SF1-0408/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

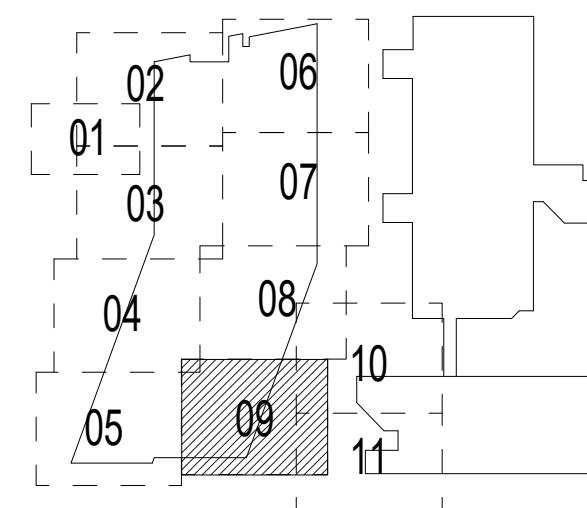
MATCHLINE
REF. SF1-0405/01

01



PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 09

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

FINISH FLOOR EL. = 345' -4"



KEY PLAN

DATE	APPR.
DESCRIPTION	SYN.
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES XXX	DRW XXX
CHK JKH	
PMO MRL/KT	
BRANCH MANAGER	
CHIEF ENGINEER	XXX
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, DC NAVFAC BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FRAMING PLAN - LEVEL 04 - SECTOR 09	
SCALE:	AS NOTED
PROJECT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
SF1-0409	
DRAWING REVISION: 31 JANUARY 2017	

D

C

B

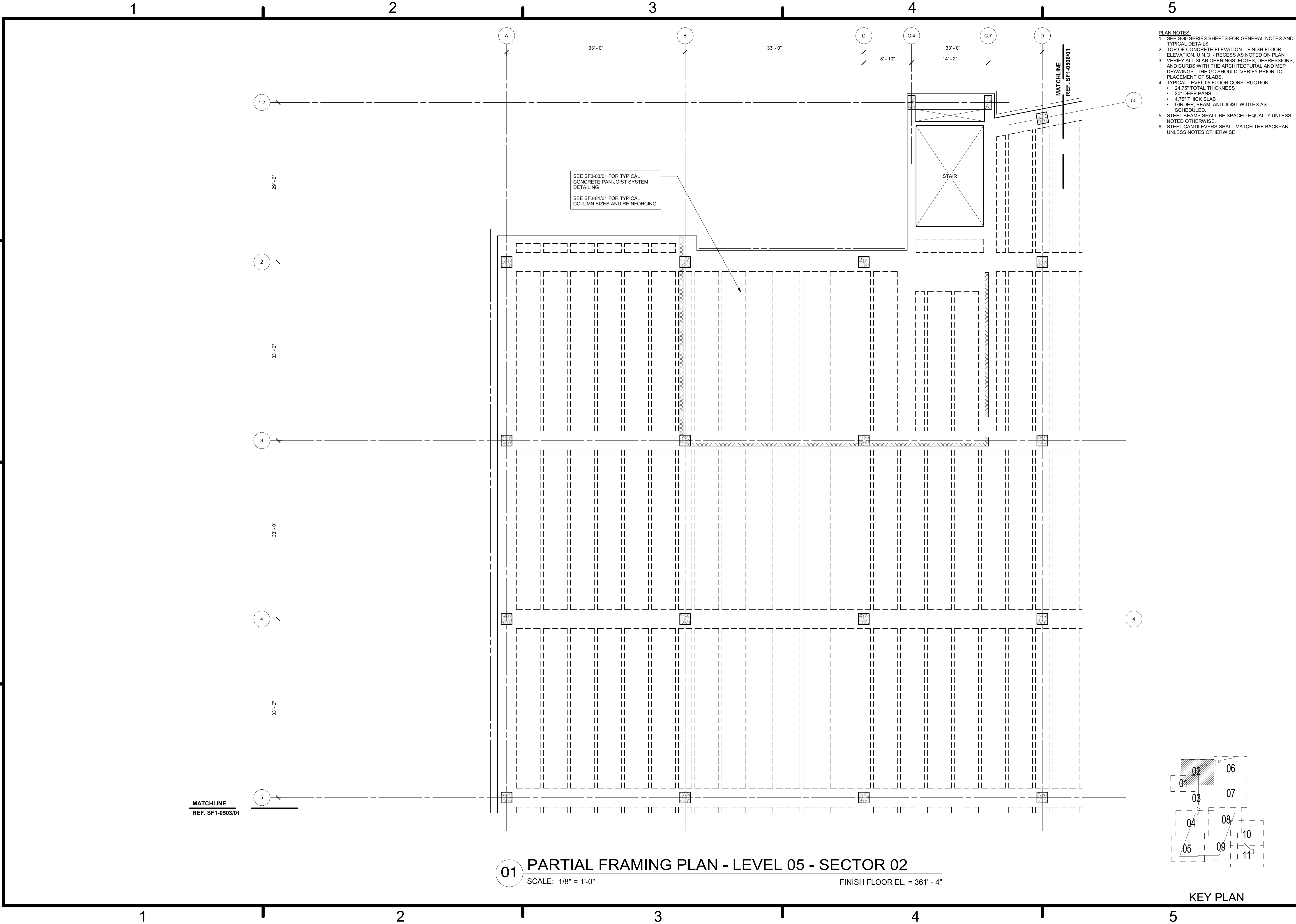
A

D

C

B

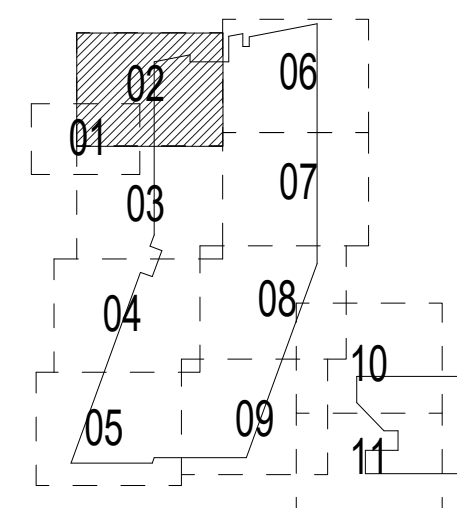
A



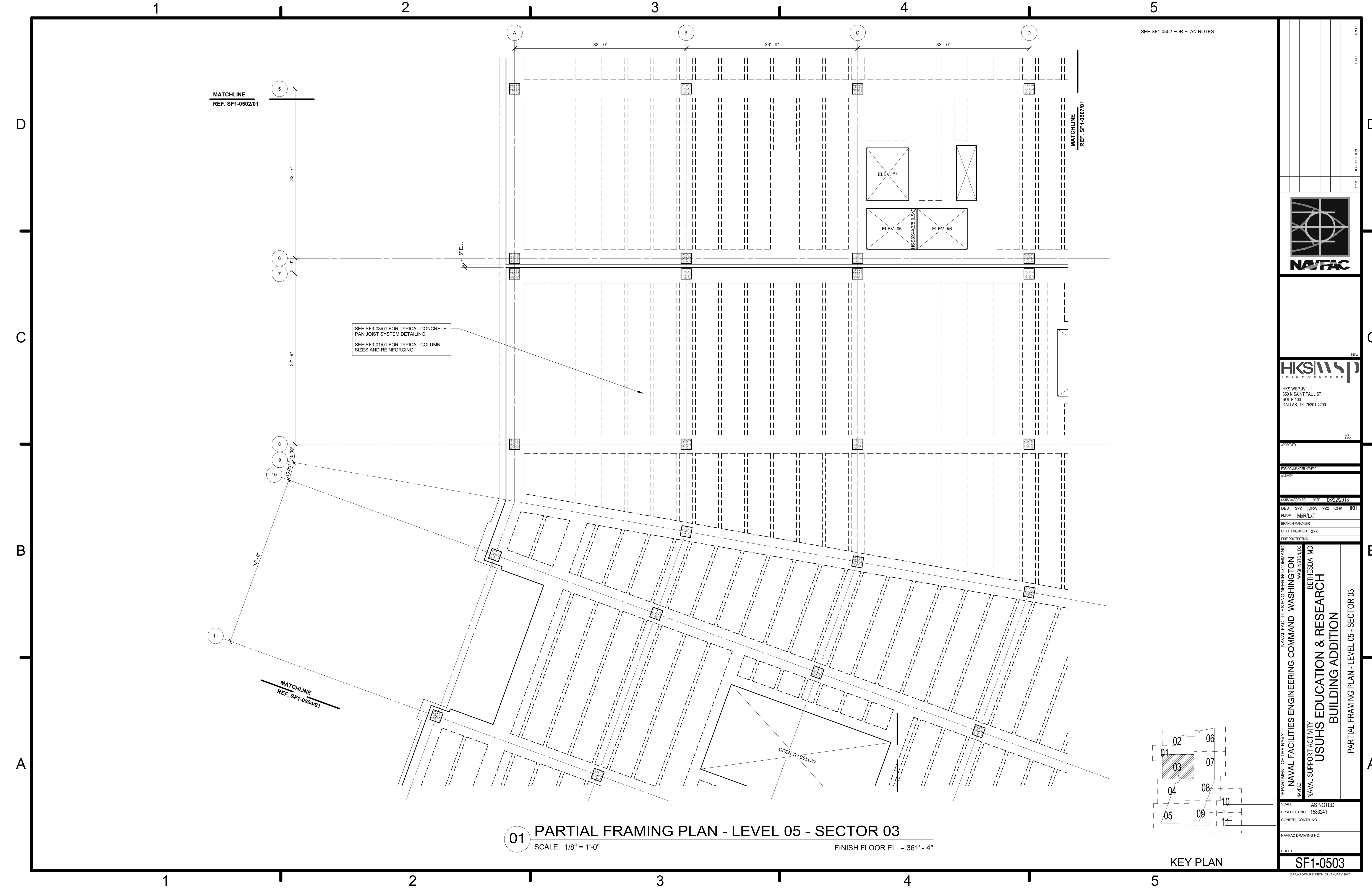
- PLAN NOTES:**
- SEE S&O SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
 - TOP OF CONCRETE ELEVATION = FINISH FLOOR ELEVATION, U.N.O. - RECESS AS NOTED ON PLAN.
 - VERIFY ALL SLAB OPENINGS, EDGES, DEPRESSIONS, AND CURBS WITH THE ARCHITECTURAL AND MEP DRAWINGS. THE GC SHOULD VERIFY PRIOR TO PLACEMENT OF SLABS.
 - TYPICAL LEVEL 05 FLOOR CONSTRUCTION:
 - 24.75" TOTAL THICKNESS
 - 20" DEEP PANS
 - 4.75" THICK SLAB
 - GIRDER, BEAM, AND JOIST WIDTHS AS SCHEDULED.
 - STEEL BEAMS SHALL BE SPACED EQUALLY UNLESS NOTED OTHERWISE.
 - STEEL CANTILEVERS SHALL MATCH THE BACKPAN UNLESS NOTES OTHERWISE.

DATE	APP'R
DESCRIPTION	SYN
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES xxx	DRW xxx
CHKM JKH	
PMDM MrRLT	
BRANCH MANAGER	
CHIEF ENGINEER	xxx
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 02	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
SF1-0502	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

01 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 02
 SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 361' - 4"



KEY PLAN



SEE SF1-0502 FOR PLAN NOTES

MATCHLINE
REF. SF1-0502/01

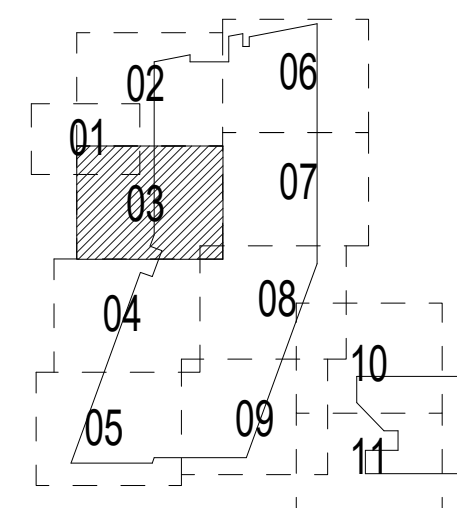
MATCHLINE
REF. SF1-0507/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING



MATCHLINE
REF. SF1-0504/01

OPEN TO BELOW

01 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 03
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 361' - 4"



KEY PLAN

DATE	APP'R
DESCRIPTION	SYN
 NAVFAC	
 HKS WSP JOINT VENTURE	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES xxx	DRW xxx
CHKM	JKH
PMDM	MJR/LKT
BRANCH MANAGER	
CHIEF ENGINEER	xxx
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 03	
SCALE:	AS NOTED
EPROJECT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
SF1-0503	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

D

C

B

A

D

C

B

A

SEE SF1-0502 FOR PLAN NOTES

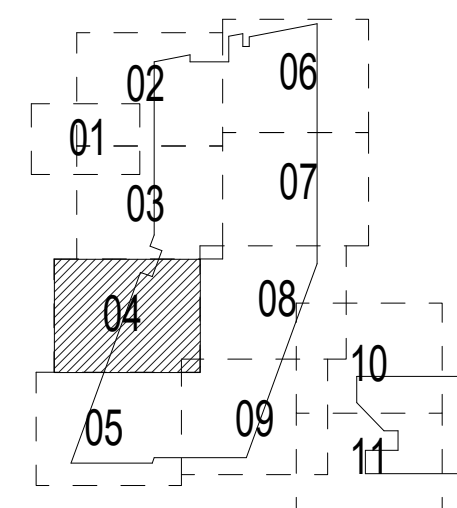
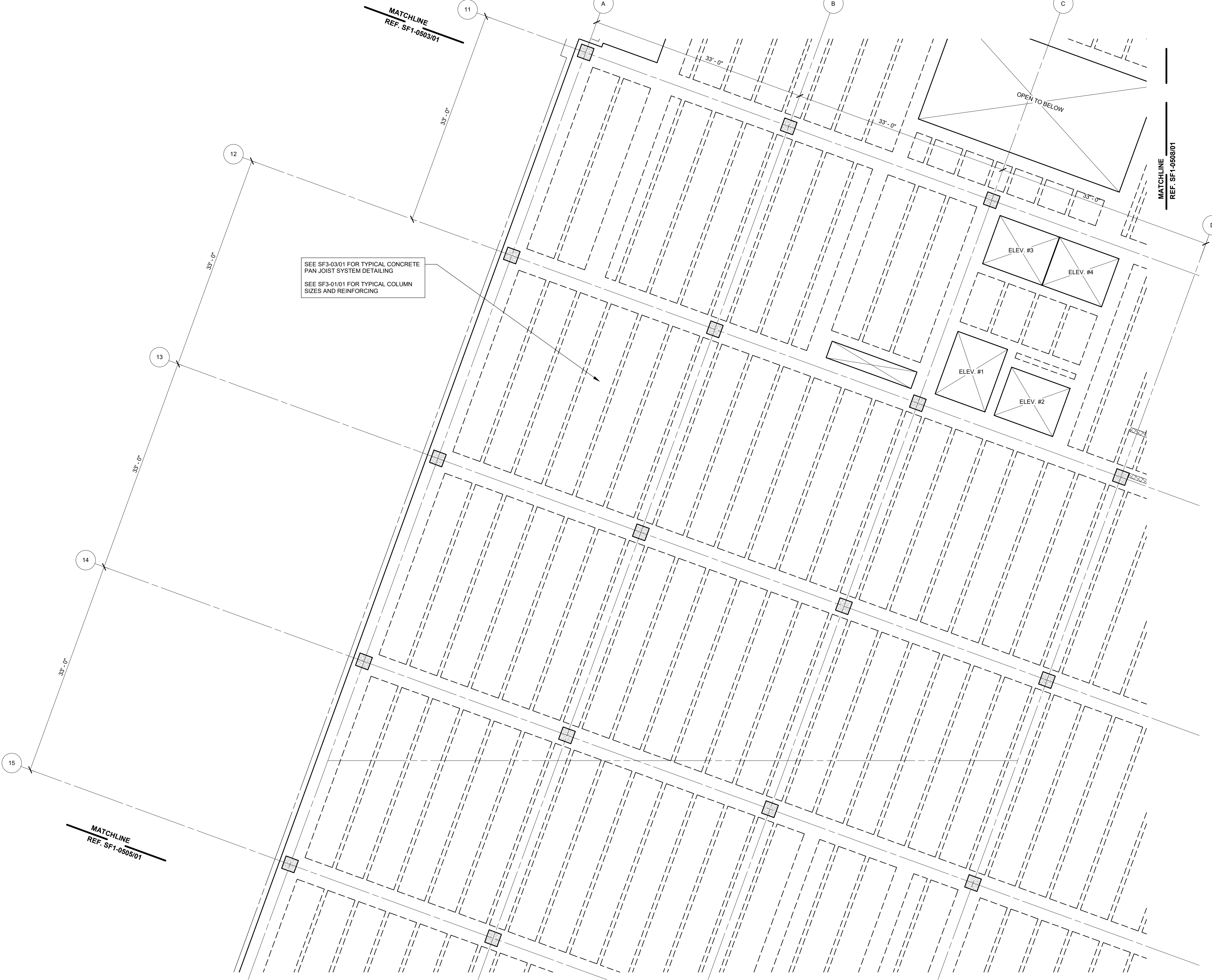
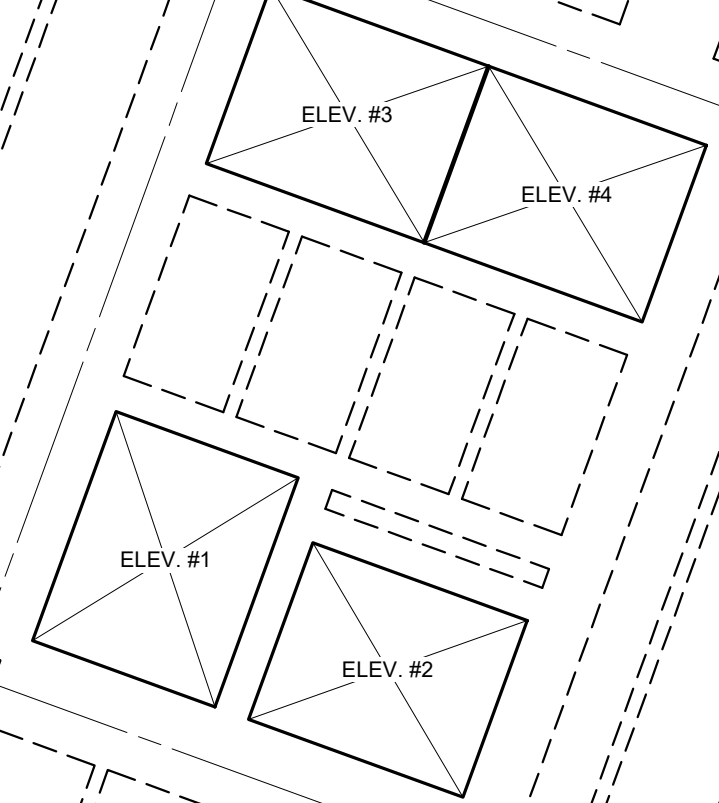
MATCHLINE
REF. SF1-0503/01

MATCHLINE
REF. SF1-0508/01

MATCHLINE
REF. SF1-0505/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

OPEN TO BELOW



01 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 04
 SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 361' - 4"

NO. 1	DATE	APPR.
NO. 2	DATE	APPR.
NO. 3	DATE	APPR.
NO. 4	DATE	APPR.
NO. 5	DATE	APPR.
NO. 6	DATE	APPR.
NO. 7	DATE	APPR.
NO. 8	DATE	APPR.
NO. 9	DATE	APPR.
NO. 10	DATE	APPR.
NO. 11	DATE	APPR.

NAVFAC

HKS WSP
JOINT VENTURE

HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES xxx | DRW xxx | CHK JKH

PMO MRL/KT

BRANCH MANAGER

CHIEF ENGINEER xxx

FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON WASHINGTON DC
 NAVFAC
 NAVAL SUPPORT ACTIVITY
 BETHESDA, MD
**USUHS EDUCATION & RESEARCH
 BUILDING ADDITION**
 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 04

SCALE: AS NOTED
 EPROJCT NO: 1583241
 CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

SF1-0504

DRAWING REVISION: 31 JANUARY 2017

KEY PLAN

1

2

3

4

5

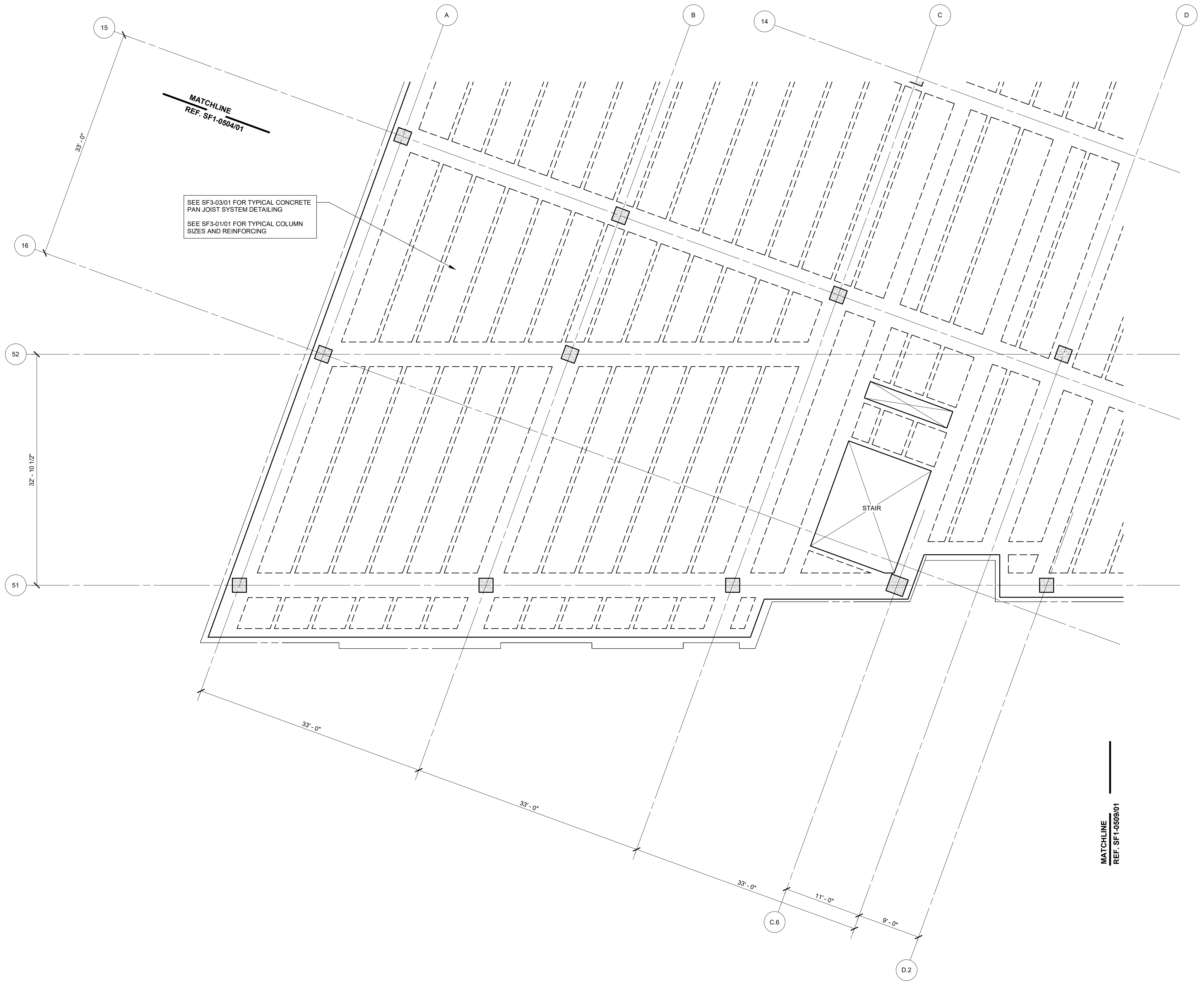
SEE SF1-0502 FOR PLAN NOTES

D

C

B

A



MATCHLINE
REF. SF1-0504/01

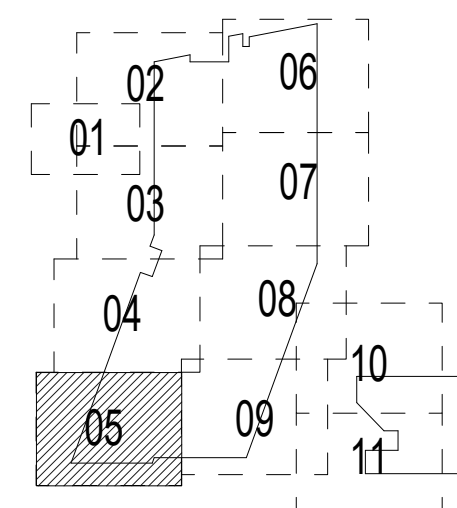
SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

MATCHLINE
REF. SF1-0509/01



01 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 05

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

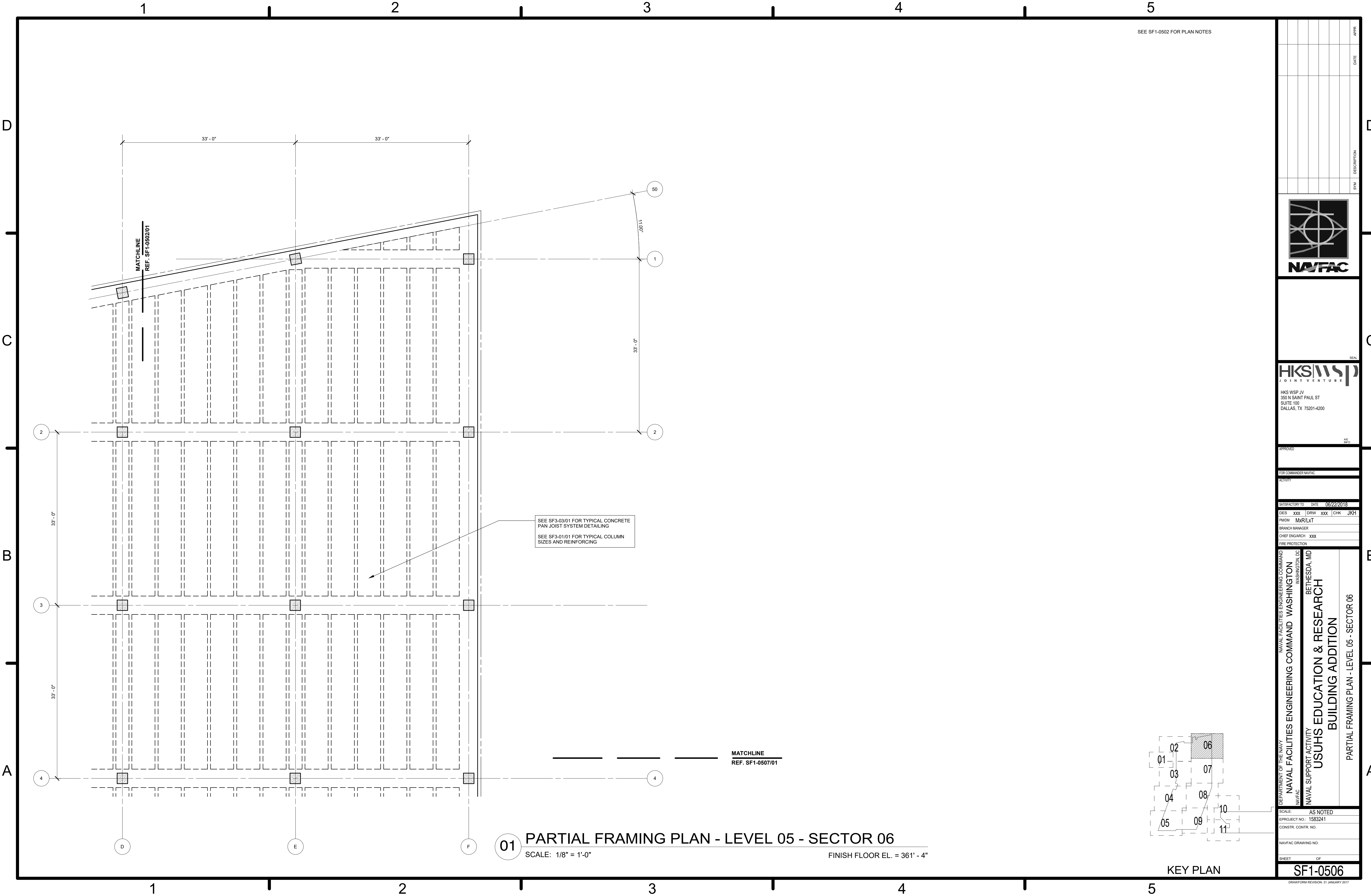
FINISH FLOOR EL. = 361' - 4"



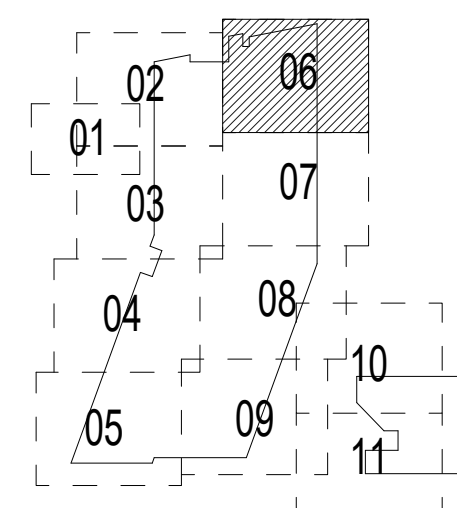
KEY PLAN

NO. _____	DATE _____	APPR. _____
SYMBOL _____	DESCRIPTION _____	SCALE _____
		
		
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200		
APPROVED _____	DATE _____	SCALE _____
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO _____	DATE 08/22/2018	SCALE _____
DES. XXX	DRW. XXX	CHK. JKH
PM/DM Mr/LKT	BRANCH MANAGER	
CHIEF ENGINEER XXX	FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 05		
SCALE: AS NOTED	PROJECT NO: 1583241	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET _____	OF _____	
SF1-0505		
DRAWING REVISION: 31 JANUARY 2017		



SEE SF1-0502 FOR PLAN NOTES

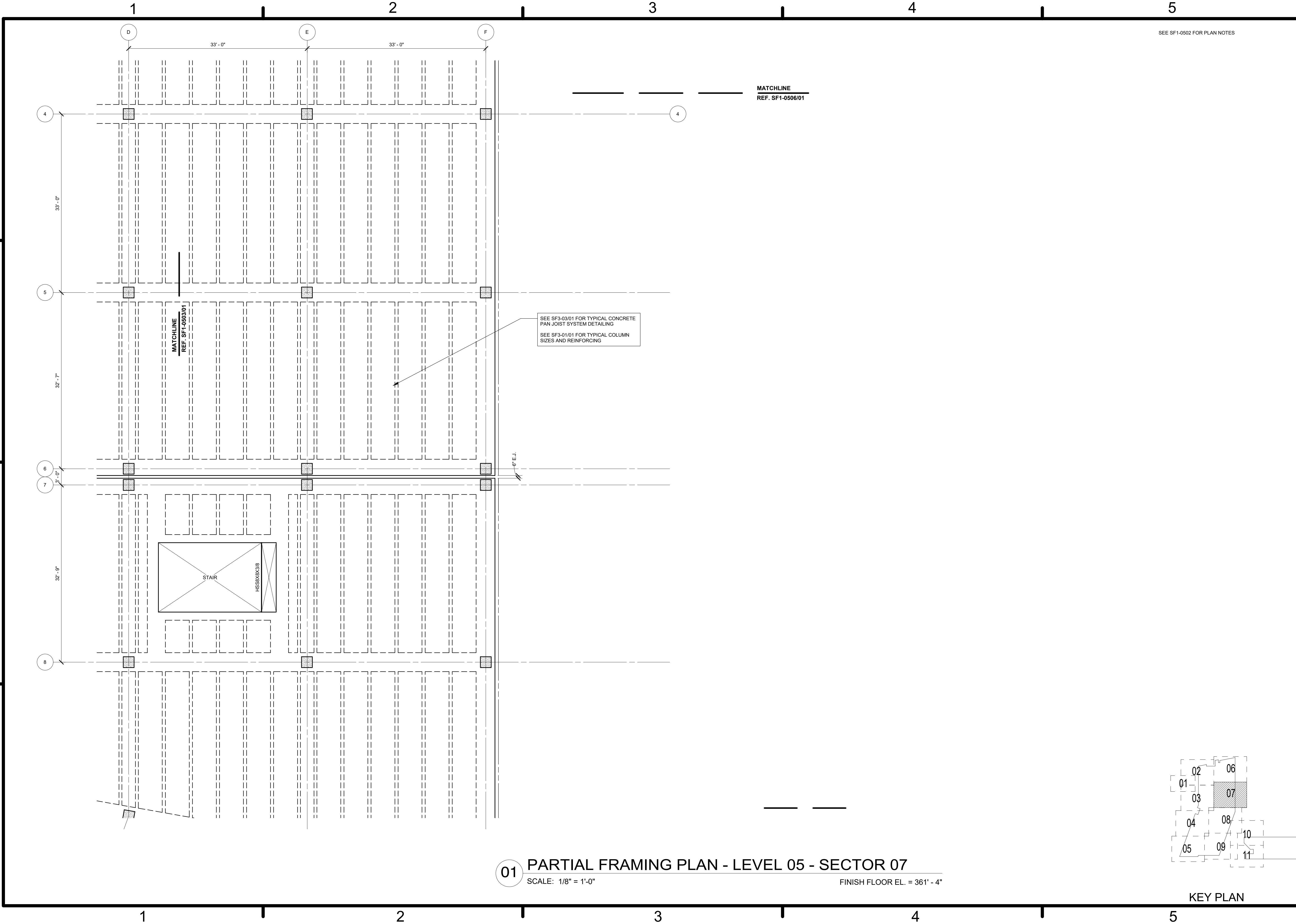


01 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 06
 SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 361' - 4"



KEY PLAN

DATE	DATE	DATE	DATE	DATE	DATE
SYMBOL	SYMBOL	SYMBOL	SYMBOL	SYMBOL	SYMBOL
DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION
					
					
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200					
APPROVED					
FOR COMMANDER NAVFAC					
ACTIVITY					
SATISFACTORY TO DATE 08/22/2018					
DES	XXX	DRW	XXX	CHK	JKH
PM	MR	LKT			
BRANCH MANAGER					
CHIEF ENGINEER XXXX					
FIRE PROTECTION					
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, DC NAVFAC USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 06					
SCALE: AS NOTED					
PROJECT NO: 1583241					
CONSTR. CONTR. NO.					
NAVFAC DRAWING NO.					
SHEET OF					
SF1-0506					
DRAWING REVISION: 31 JANUARY 2017					

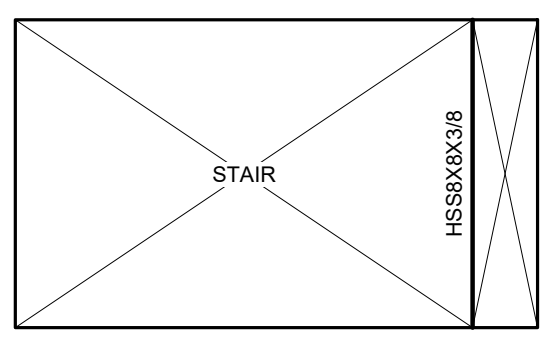


SEE SF1-0502 FOR PLAN NOTES

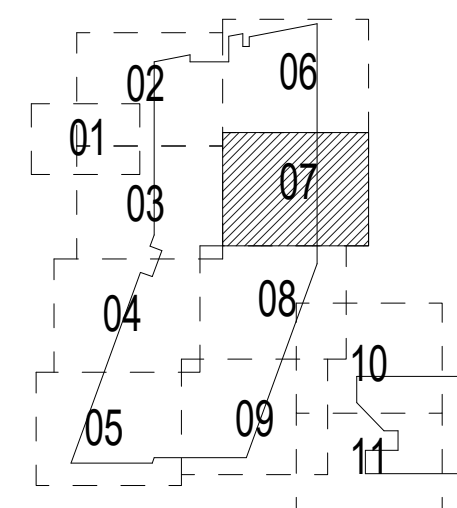
MATCHLINE
REF. SF1-0506/01

MATCHLINE
REF. SF1-0503/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

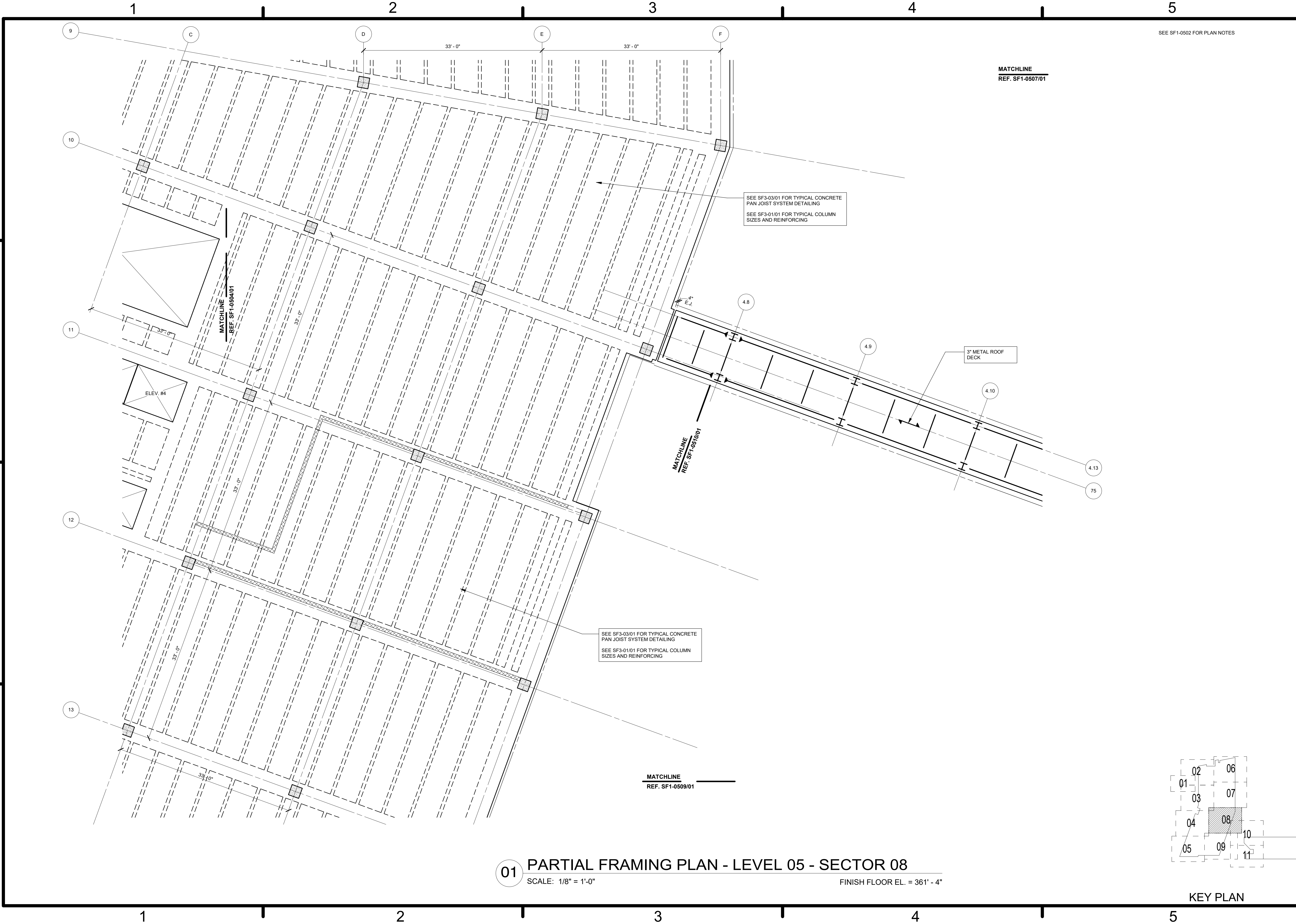


01 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 07
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 361' - 4"



KEY PLAN

DATE	APP'R
DESCRIPTION	SWR
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	SEAL
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES: xxx	DRW: xxx
CHK: JKH	
PM/DM: Mr/RLT	
BRANCH MANAGER	
CHIEF ENGINEER	xxx
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 07	
SCALE:	AS NOTED
EPROJCT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
SF1-0507	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	



SEE SF1-0502 FOR PLAN NOTES

MATCHLINE
REF. SF1-0507/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

MATCHLINE
REF. SF1-0504/01

MATCHLINE
REF. SF1-0509/01

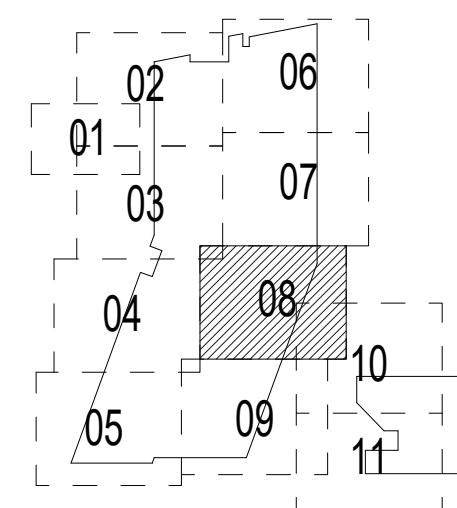
SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

MATCHLINE
REF. SF1-0509/01

ELEV. #4

3' METAL ROOF
DECK

01 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 08
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 361' - 4"



KEY PLAN

DATE	APP'R
DESCRIPTION	SYN
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	REF
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES XXX	DRW XXX
CHKM	CHKM JKH
PMDM	MJR/LKT
BRANCH MANAGER	
CHIEF ENGINEER	XXX
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 08	
SCALE	AS NOTED
EPROJCT NO.	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
SF1-0508 <small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

SEE SF1-0502 FOR PLAN NOTES

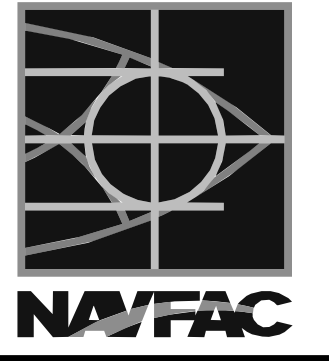
MATCHLINE
REF. SF1-0508/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

MATCHLINE
REF. SF1-0505/01

NO.	DATE	REVISION



HKS WSP
JOINT VENTURE
HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED
FOR COMMANDER NAVFAC

SATISFACTORY TO DATE 08/22/2018
DES XXX | DRW XXX | CHK JKH
PMD MRL/KT
BRANCH MANAGER
CHIEF ENGINEER XXX
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON WASHINGTON DC
NAVFAC
BETHESDA, MD
USUHS EDUCATION & RESEARCH
BUILDING ADDITION
PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 09

SCALE: AS NOTED
PROJECT NO: 1583241
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.

SHEET OF
SF1-0509

DRAWING REVISION: 31 JANUARY 2017

D

C

B

A

D

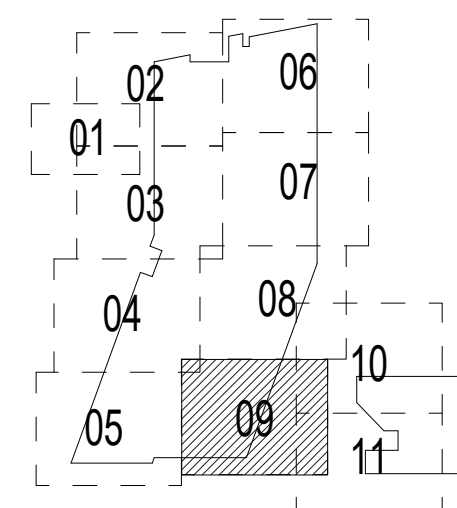
C

B

A



01 PARTIAL FRAMING PLAN - LEVEL 05 - SECTOR 09
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 361' - 4"



KEY PLAN

1

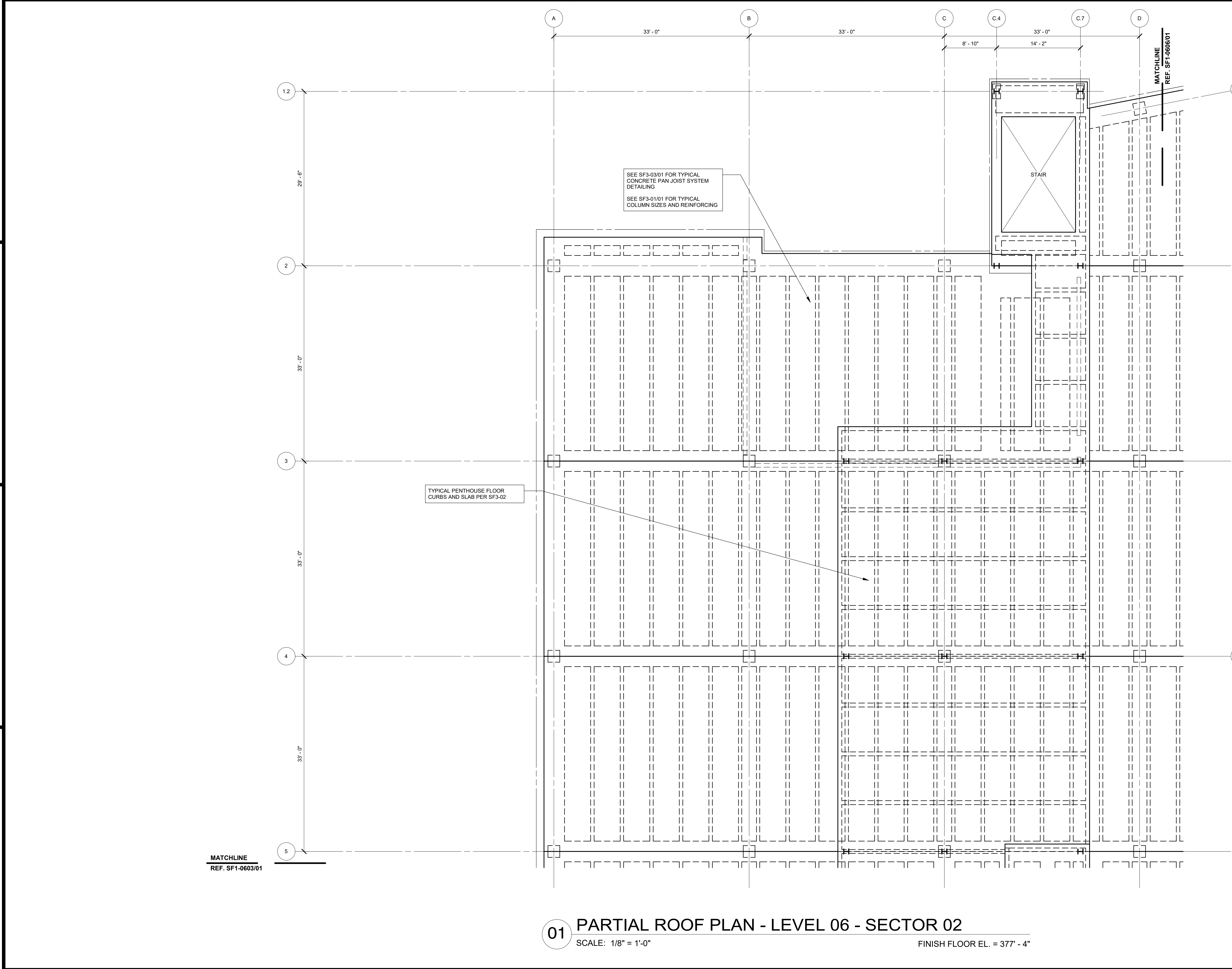
2

3

4

5

D
C
B
A



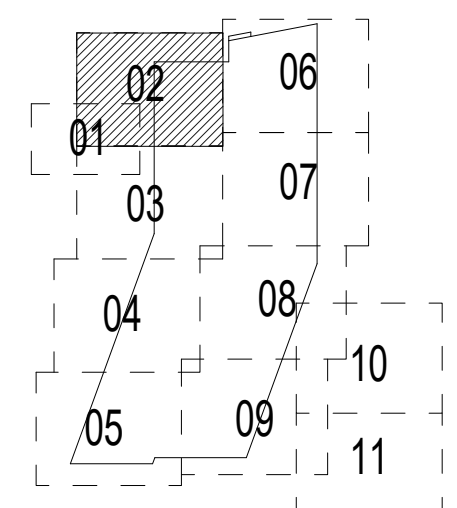
- PLAN NOTES:**
- SEE S&O SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
 - TOP OF CONCRETE ELEVATION = FINISH FLOOR ELEVATION, U.N.O. - RECESS AS NOTED ON PLAN.
 - VERIFY ALL SLAB OPENINGS, EDGES, DEPRESSIONS, AND CURBS WITH THE ARCHITECTURAL AND MEP DRAWINGS. THE GC SHOULD VERIFY PRIOR TO PLACEMENT OF SLABS.
 - TYPICAL LEVEL 06 FLOOR CONSTRUCTION:
 - 24.75" TOTAL THICKNESS
 - 20" DEEP PANS
 - 4.75" THICK SLAB
 - GIRDER, BEAM, AND JOIST WIDTHS AS SCHEDULED.
 - STEEL BEAMS SHALL BE SPACED EQUALLY UNLESS NOTED OTHERWISE.
 - STEEL CANTILEVERS SHALL MATCH THE BACKPAN UNLESS NOTES OTHERWISE.

SEE SF3-03/01 FOR TYPICAL CONCRETE PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN SIZES AND REINFORCING

TYPICAL PENTHOUSE FLOOR CURBS AND SLAB PER SF3-02

MATCHLINE
REF. SF1-0603/01

01 PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 02
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 377' - 4"



KEY PLAN

DATE	APP'R
DESCRIPTION	SYN
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES XXX	DRW XXX
CHKM	JKH
PMOM	MJR/LKT
BRANCH MANAGER	
CHIEF ENGINEER	XXX
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 02	
SCALE:	AS NOTED
EPROJECT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
SF1-0602	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

1

2

3

4

5

SEE SF1-0602 FOR PLAN NOTES

D

C

B

A

D

C

B

A

MATCHLINE
REF. SF1-0603/01

MATCHLINE
REF. SF1-0608/01

MATCHLINE
REF. SF1-0605/01

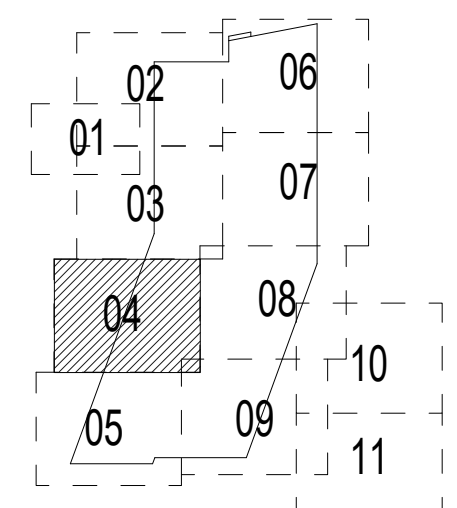
TYPICAL PENTHOUSE FLOOR CURBS
AND SLAB PER SF3-02

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING

SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

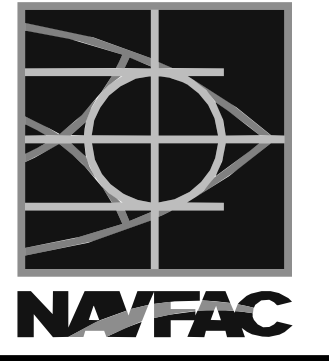


01 PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 04
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 377' - 4"



KEY PLAN

NO.	DATE	DESCRIPTION	BY	CHKD



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES xxx | DRW xxx | CHK JKH

PM/DR MRL/KT

BRANCH MANAGER

CHIEF ENGINEER xxx

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC
NAVFAC
NAVAL SUPPORT ACTIVITY
USUHS EDUCATION & RESEARCH
BUILDING ADDITION
BETHESDA, MD
PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 04

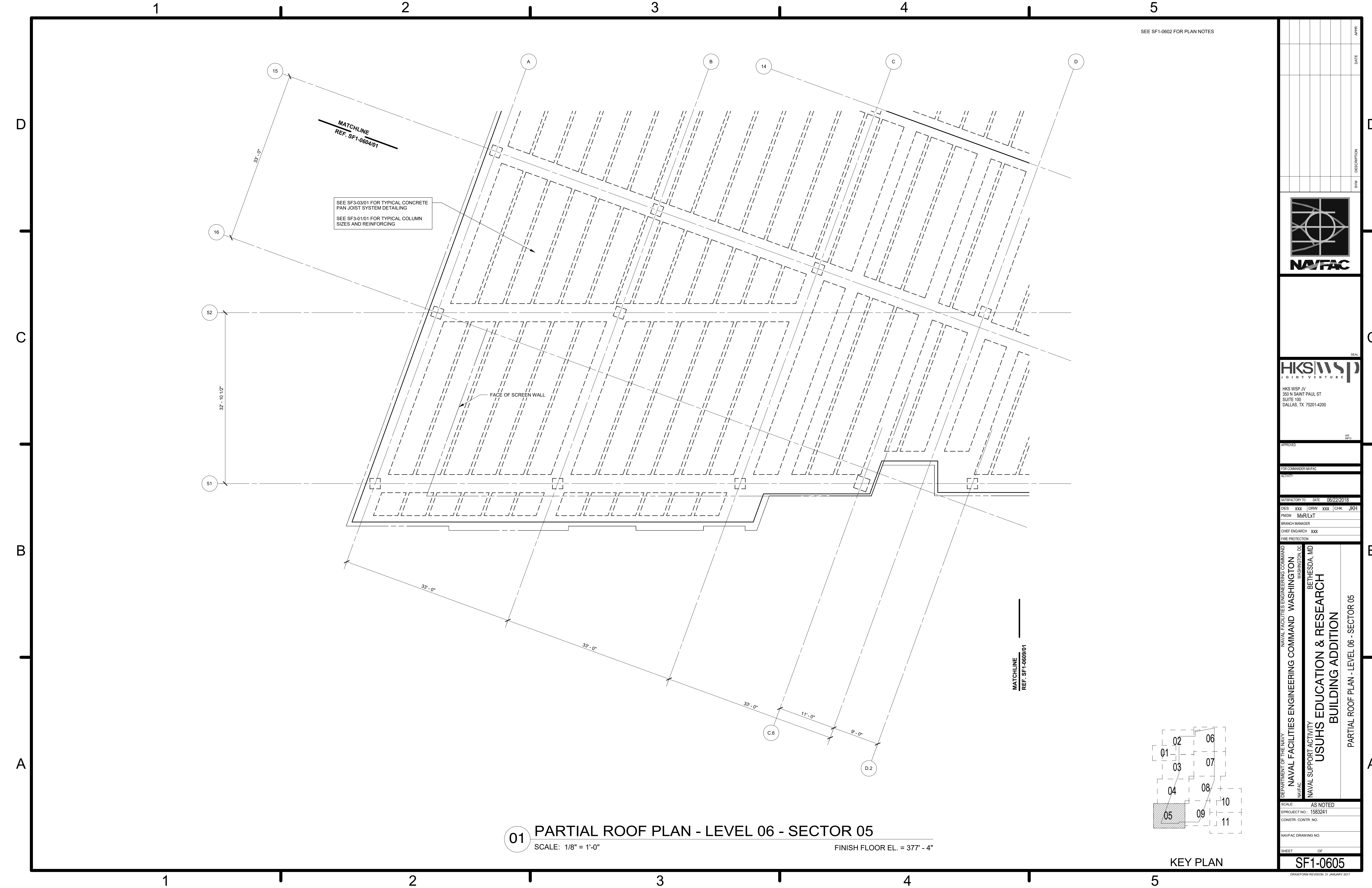
SCALE: AS NOTED
EPROJCT NO: 1583241
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

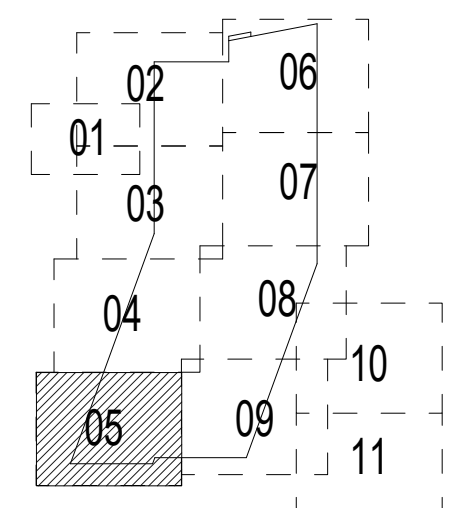
SHEET OF

SF1-0604

DRAWING REVISION: 31 JANUARY 2017



01 PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 05
 SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 377' - 4"



KEY PLAN

NO. 1	DATE	APPR.
NO. 2	DATE	APPR.
NO. 3	DATE	APPR.
NO. 4	DATE	APPR.
NO. 5	DATE	APPR.
NO. 6	DATE	APPR.
NO. 7	DATE	APPR.
NO. 8	DATE	APPR.
NO. 9	DATE	APPR.
NO. 10	DATE	APPR.
NO. 11	DATE	APPR.
NO. 12	DATE	APPR.
NO. 13	DATE	APPR.
NO. 14	DATE	APPR.
NO. 15	DATE	APPR.
NO. 16	DATE	APPR.
NO. 17	DATE	APPR.
NO. 18	DATE	APPR.
NO. 19	DATE	APPR.
NO. 20	DATE	APPR.
NO. 21	DATE	APPR.
NO. 22	DATE	APPR.
NO. 23	DATE	APPR.
NO. 24	DATE	APPR.
NO. 25	DATE	APPR.
NO. 26	DATE	APPR.
NO. 27	DATE	APPR.
NO. 28	DATE	APPR.
NO. 29	DATE	APPR.
NO. 30	DATE	APPR.
NO. 31	DATE	APPR.
NO. 32	DATE	APPR.
NO. 33	DATE	APPR.
NO. 34	DATE	APPR.
NO. 35	DATE	APPR.
NO. 36	DATE	APPR.
NO. 37	DATE	APPR.
NO. 38	DATE	APPR.
NO. 39	DATE	APPR.
NO. 40	DATE	APPR.
NO. 41	DATE	APPR.
NO. 42	DATE	APPR.
NO. 43	DATE	APPR.
NO. 44	DATE	APPR.
NO. 45	DATE	APPR.
NO. 46	DATE	APPR.
NO. 47	DATE	APPR.
NO. 48	DATE	APPR.
NO. 49	DATE	APPR.
NO. 50	DATE	APPR.
NO. 51	DATE	APPR.
NO. 52	DATE	APPR.
NO. 53	DATE	APPR.
NO. 54	DATE	APPR.
NO. 55	DATE	APPR.
NO. 56	DATE	APPR.
NO. 57	DATE	APPR.
NO. 58	DATE	APPR.
NO. 59	DATE	APPR.
NO. 60	DATE	APPR.
NO. 61	DATE	APPR.
NO. 62	DATE	APPR.
NO. 63	DATE	APPR.
NO. 64	DATE	APPR.
NO. 65	DATE	APPR.
NO. 66	DATE	APPR.
NO. 67	DATE	APPR.
NO. 68	DATE	APPR.
NO. 69	DATE	APPR.
NO. 70	DATE	APPR.
NO. 71	DATE	APPR.
NO. 72	DATE	APPR.
NO. 73	DATE	APPR.
NO. 74	DATE	APPR.
NO. 75	DATE	APPR.
NO. 76	DATE	APPR.
NO. 77	DATE	APPR.
NO. 78	DATE	APPR.
NO. 79	DATE	APPR.
NO. 80	DATE	APPR.
NO. 81	DATE	APPR.
NO. 82	DATE	APPR.
NO. 83	DATE	APPR.
NO. 84	DATE	APPR.
NO. 85	DATE	APPR.
NO. 86	DATE	APPR.
NO. 87	DATE	APPR.
NO. 88	DATE	APPR.
NO. 89	DATE	APPR.
NO. 90	DATE	APPR.
NO. 91	DATE	APPR.
NO. 92	DATE	APPR.
NO. 93	DATE	APPR.
NO. 94	DATE	APPR.
NO. 95	DATE	APPR.
NO. 96	DATE	APPR.
NO. 97	DATE	APPR.
NO. 98	DATE	APPR.
NO. 99	DATE	APPR.
NO. 100	DATE	APPR.

NAVFAC

HKS WSP
JOINT VENTURE

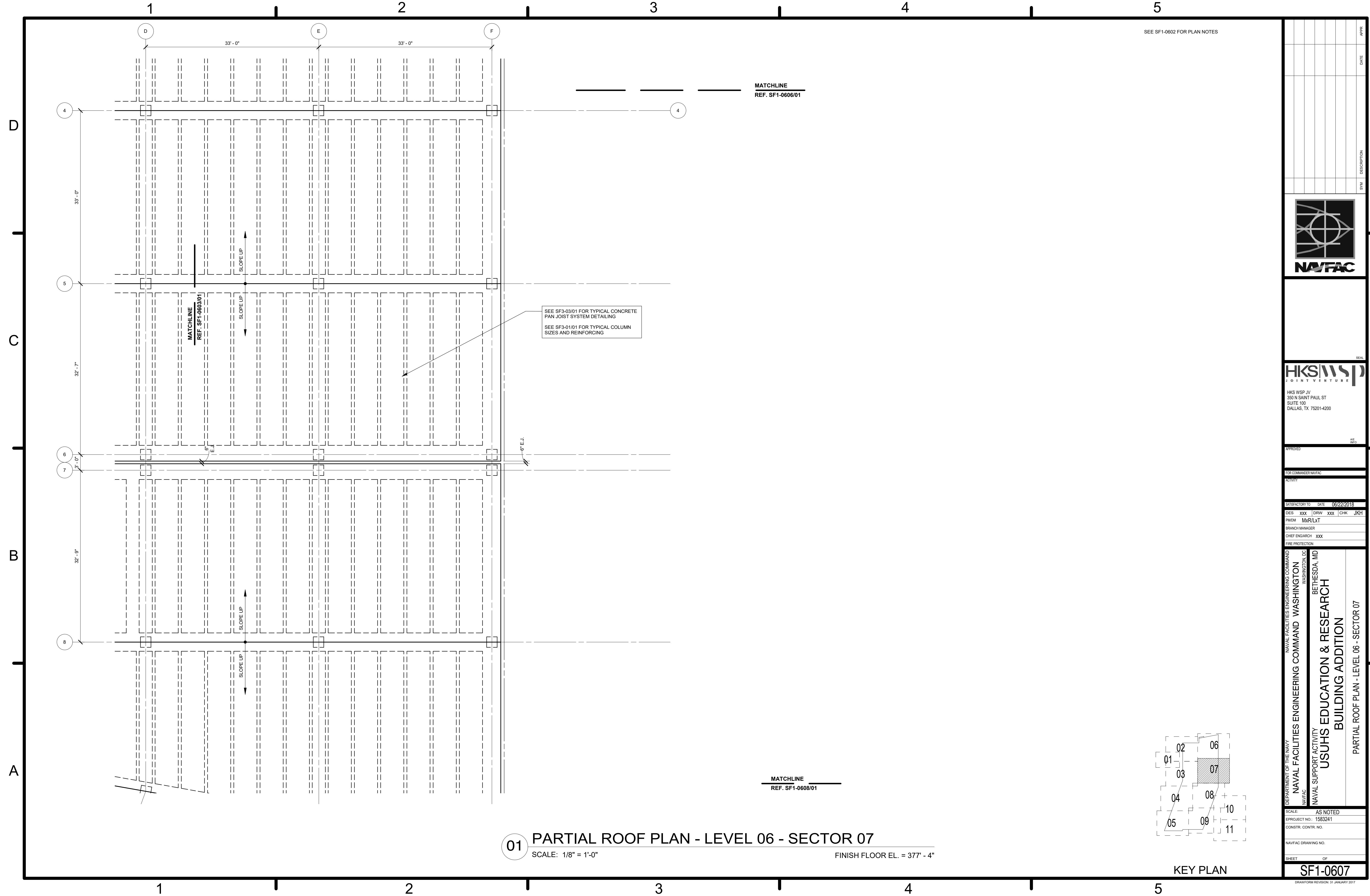
HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED _____
 FOR COMMANDER NAVFAC _____
 ACTIVITY _____
 SATISFACTORY TO DATE 08/22/2018
 DES XXX | DRW XXX | CHK JKH |
 PMDM MRL/KT
 BRANCH MANAGER _____
 CHIEF ENGINEER XXX
 FIRE PROTECTION _____

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON, DC
 NAVFAC
 NAVAL SUPPORT ACTIVITY BETHESDA, MD
USUHS EDUCATION & RESEARCH BUILDING ADDITION
 PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 05

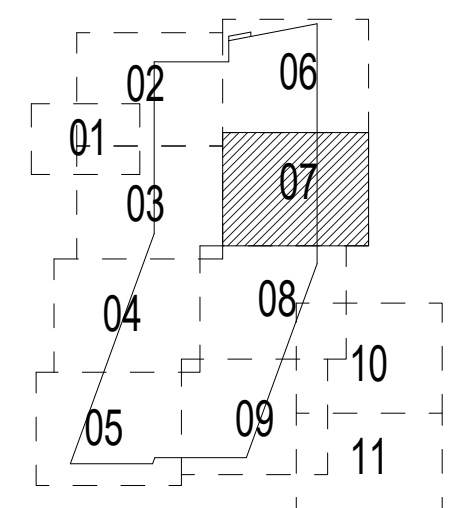
SCALE: AS NOTED
 EPROJECT NO: 1583241
 CONSTR. CONTR. NO. _____
 NAVFAC DRAWING NO. _____
 SHEET _____ OF _____
SF1-0605
DRAWING REVISION: 31 JANUARY 2017

SEE SF1-0602 FOR PLAN NOTES

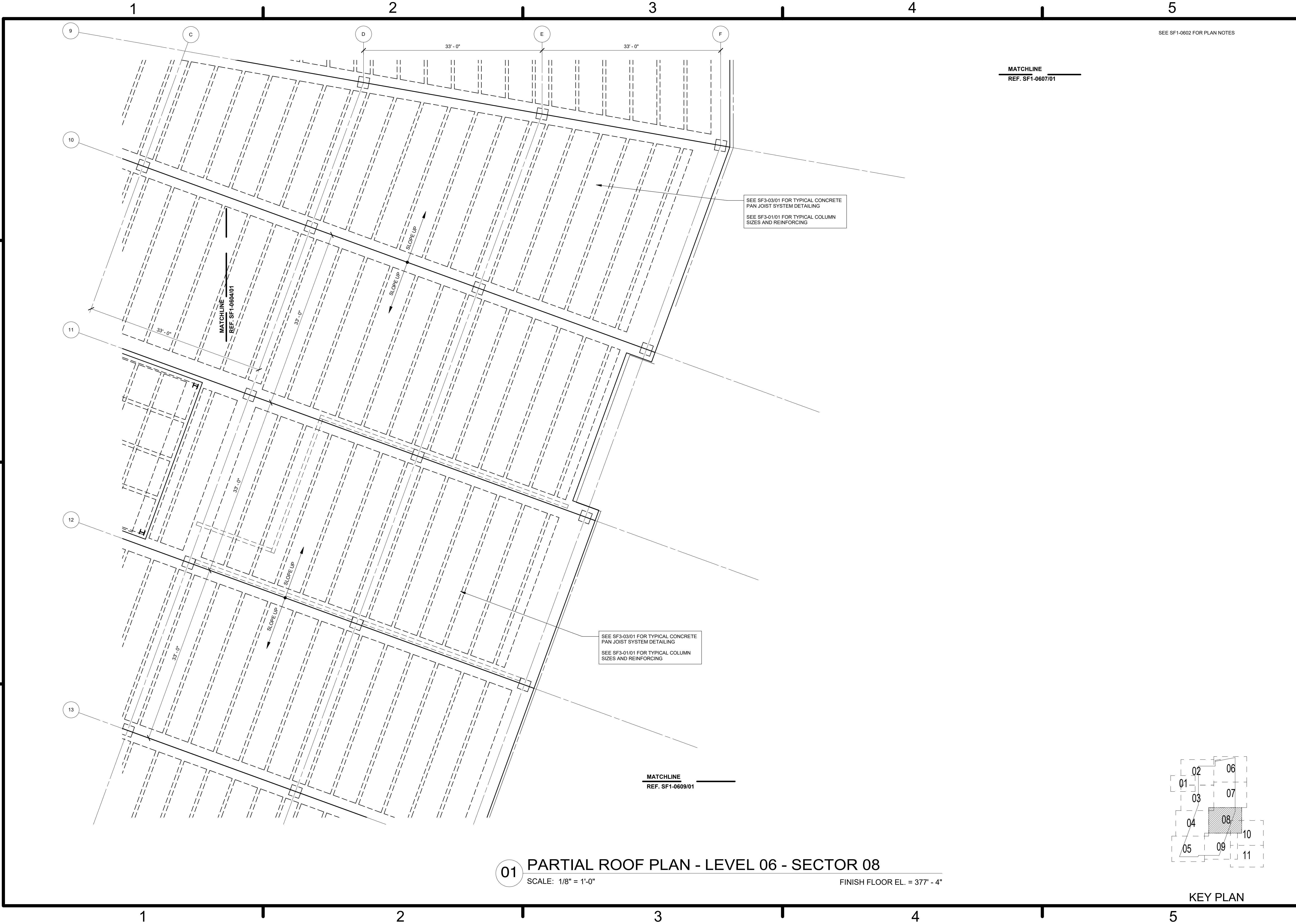


01 PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 07
 SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 377' - 4"

DATE	APPROVED
DESCRIPTION	FOR COMMANDER NAVFAC
SWN	ACTIVITY
PAPER	SATISFACTORY TO DATE 08/22/2018
	DES XXX DRW XXX CHK JKH
	PMDM MR/LKT
	BRANCH MANAGER
	CHIEF ENGRARCH XXX
	FIRE PROTECTION
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 07	
SCALE: AS NOTED	
EPROJECT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
SF1-0607	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	



KEY PLAN



SEE SF1-0602 FOR PLAN NOTES

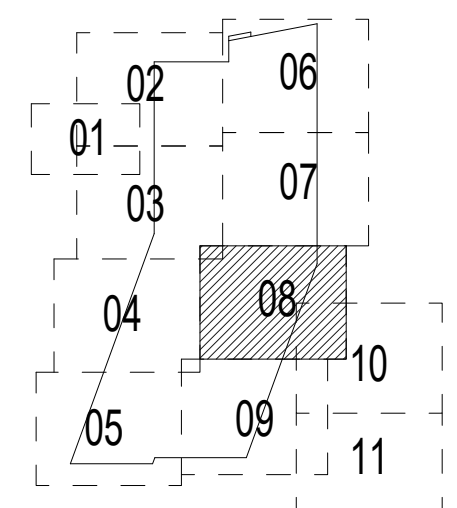
MATCHLINE
REF. SF1-0607/01

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

SEE SF3-03/01 FOR TYPICAL CONCRETE
PAN JOIST SYSTEM DETAILING
SEE SF3-01/01 FOR TYPICAL COLUMN
SIZES AND REINFORCING

MATCHLINE
REF. SF1-0609/01

01 PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 08
SCALE: 1/8" = 1'-0" FINISH FLOOR EL. = 377' - 4"



KEY PLAN

NO. 1	DATE	APPR.
NO. 2	DATE	APPR.
NO. 3	DATE	APPR.
NO. 4	DATE	APPR.
NO. 5	DATE	APPR.
NO. 6	DATE	APPR.
NO. 7	DATE	APPR.
NO. 8	DATE	APPR.
NO. 9	DATE	APPR.
NO. 10	DATE	APPR.
NO. 11	DATE	APPR.
NO. 12	DATE	APPR.
NO. 13	DATE	APPR.

HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES: xxx | DRW: xxx | CHK: JKH

PM/DM: Mr/RLT

BRANCH MANAGER

CHIEF ENGINEER: xxx

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON WASHINGTON, DC
NAVFAC
BETHESDA, MD
USUHS EDUCATION & RESEARCH
BUILDING ADDITION
PARTIAL ROOF PLAN - LEVEL 06 - SECTOR 08

SCALE: AS NOTED
PROJECT NO: 1583241
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

SF1-0608

DRAWING REVISION: 31 JANUARY 2017

1

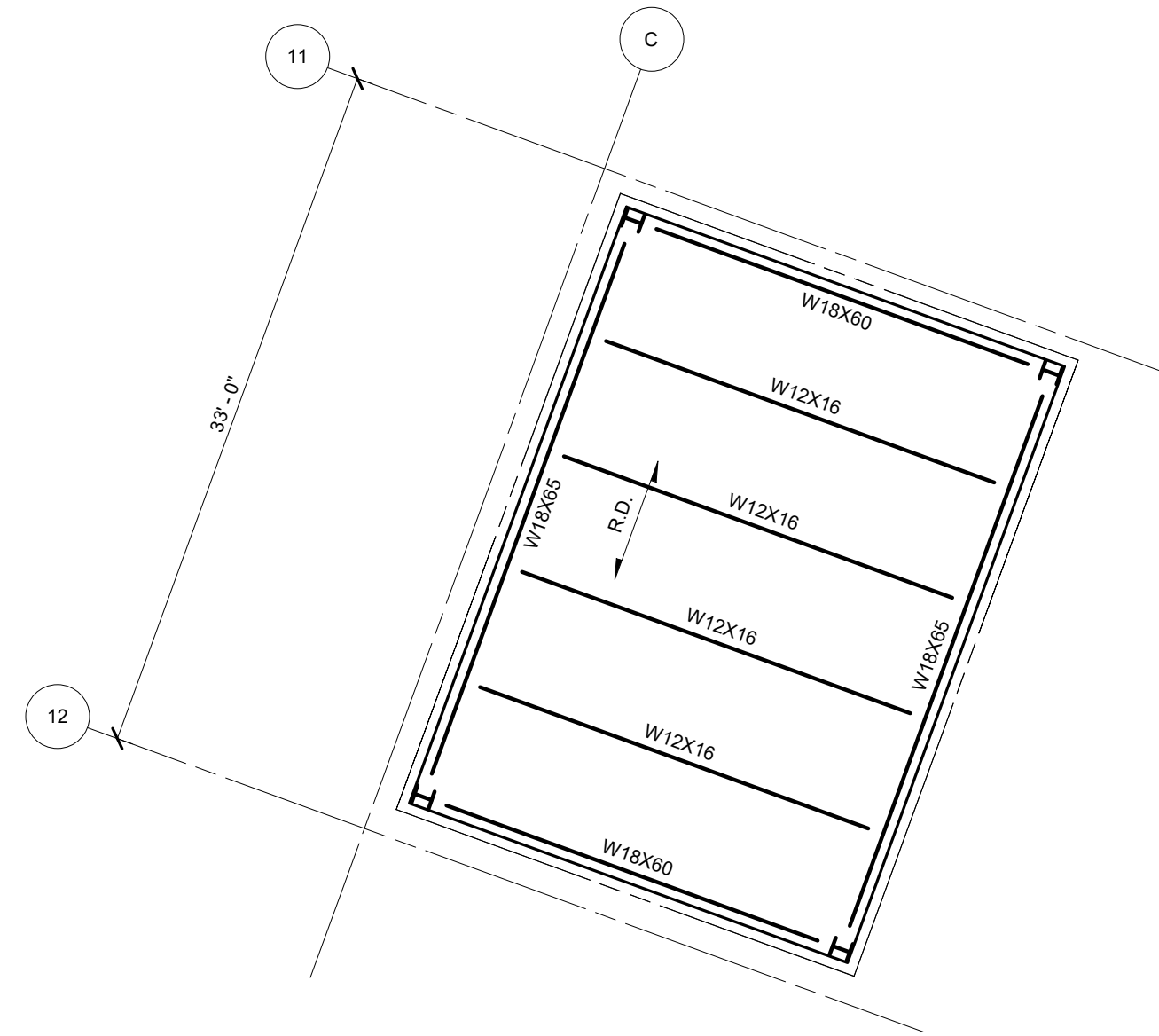
2

3

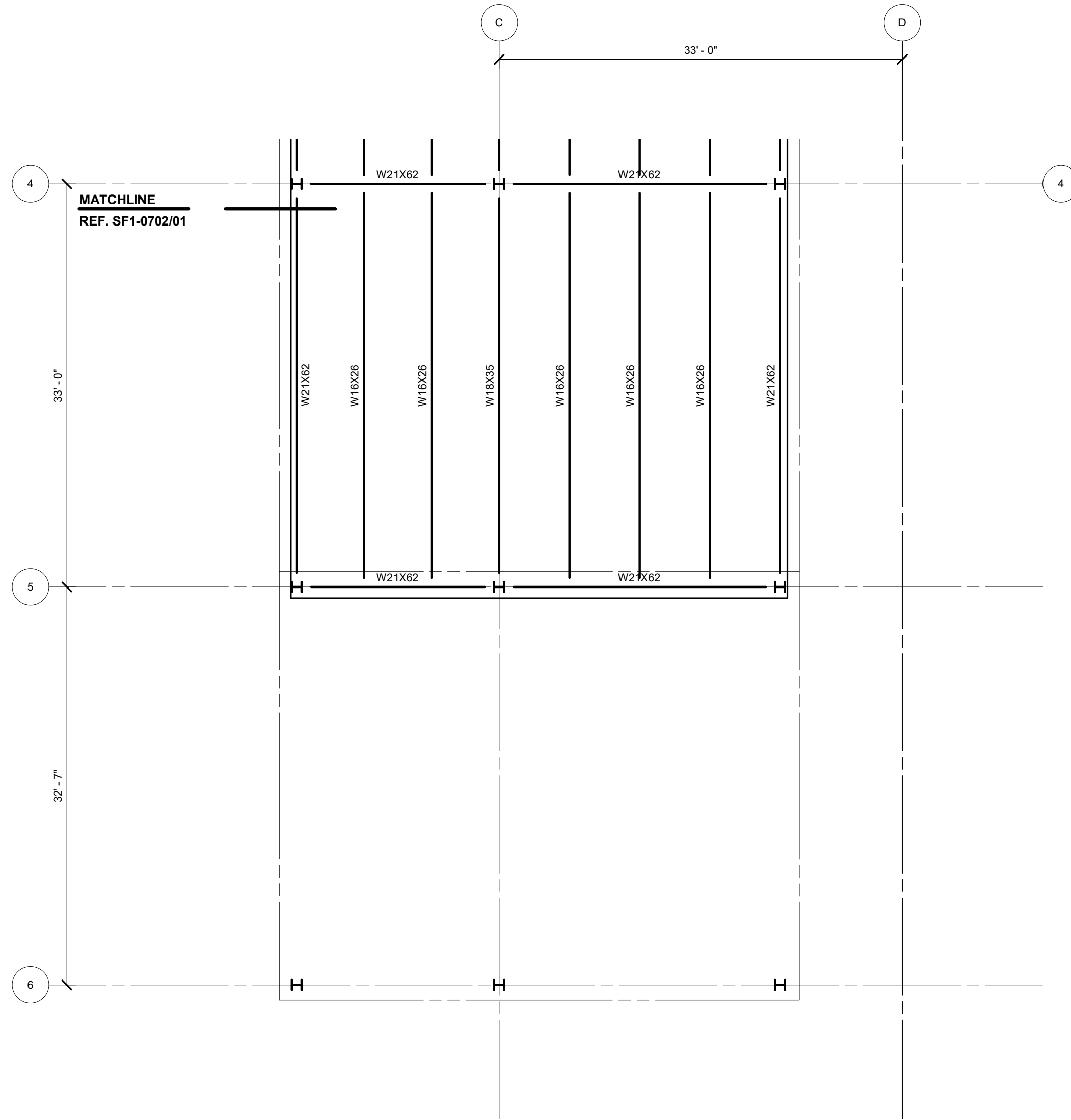
4

5

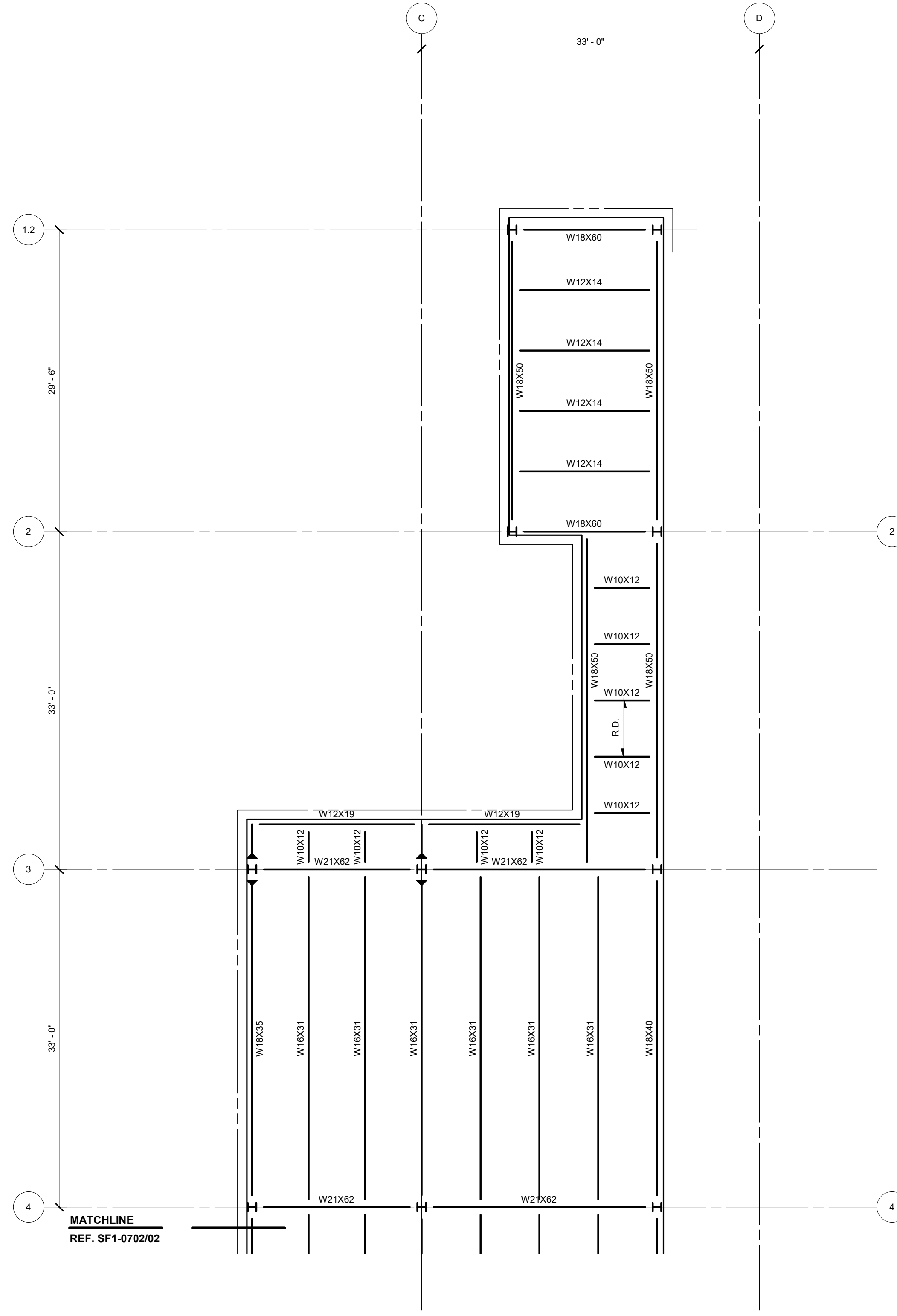
- PLAN NOTES:**
1. SEE S50 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
 2. TOP OF STEEL ELEVATION = BOTTOM OF DECK ELEVATION U.N.O. AS ["+X"]
 3. VERIFY ALL SLAB OPENINGS, EDGES, DEPRESSIONS, AND CURBS WITH THE ARCHITECTURAL AND MEP DRAWINGS. THE GC SHOULD VERIFY PRIOR TO PLACEMENT OF SLABS.
 4. STEEL BEAMS SHALL BE SPACED EQUALLY UNLESS NOTED OTHERWISE.
 5. STEEL CANTILEVERS SHALL MATCH THE BACKPAN UNLESS NOTES OTHERWISE.



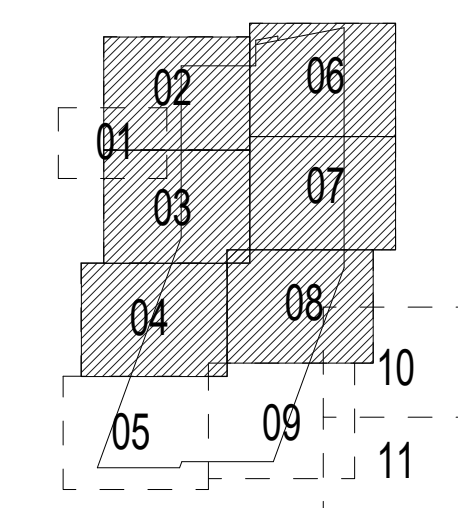
03 PARTIAL PENTHOUSE ROOF PLAN - SECTOR 04
SCALE: 1/8" = 1'-0"



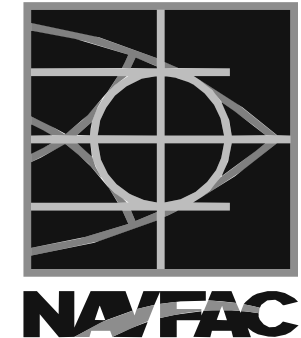

02 PARTIAL PENTHOUSE ROOF PLAN - SECTOR 03
SCALE: 1/8" = 1'-0"



01 PARTIAL PENTHOUSE ROOF PLAN - SECTOR 02
SCALE: 1/8" = 1'-0"
FINISH FLOOR EL. = xxx' - x"



KEY PLAN

DATE	APP'R
DESCRIPTION	SYN
 NAVFAC	
 HKS WSP JOINT VENTURE	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REG
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES xxx	DRW xxx CHK JKH
PM/DR MRL/KT	
BRANCH MANAGER	
CHIEF ENGINEER	xxx
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL PENTHOUSE ROOF PLANS	
SCALE:	AS NOTED
PROJECT NO.:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
SF1-0702	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

D

C

B

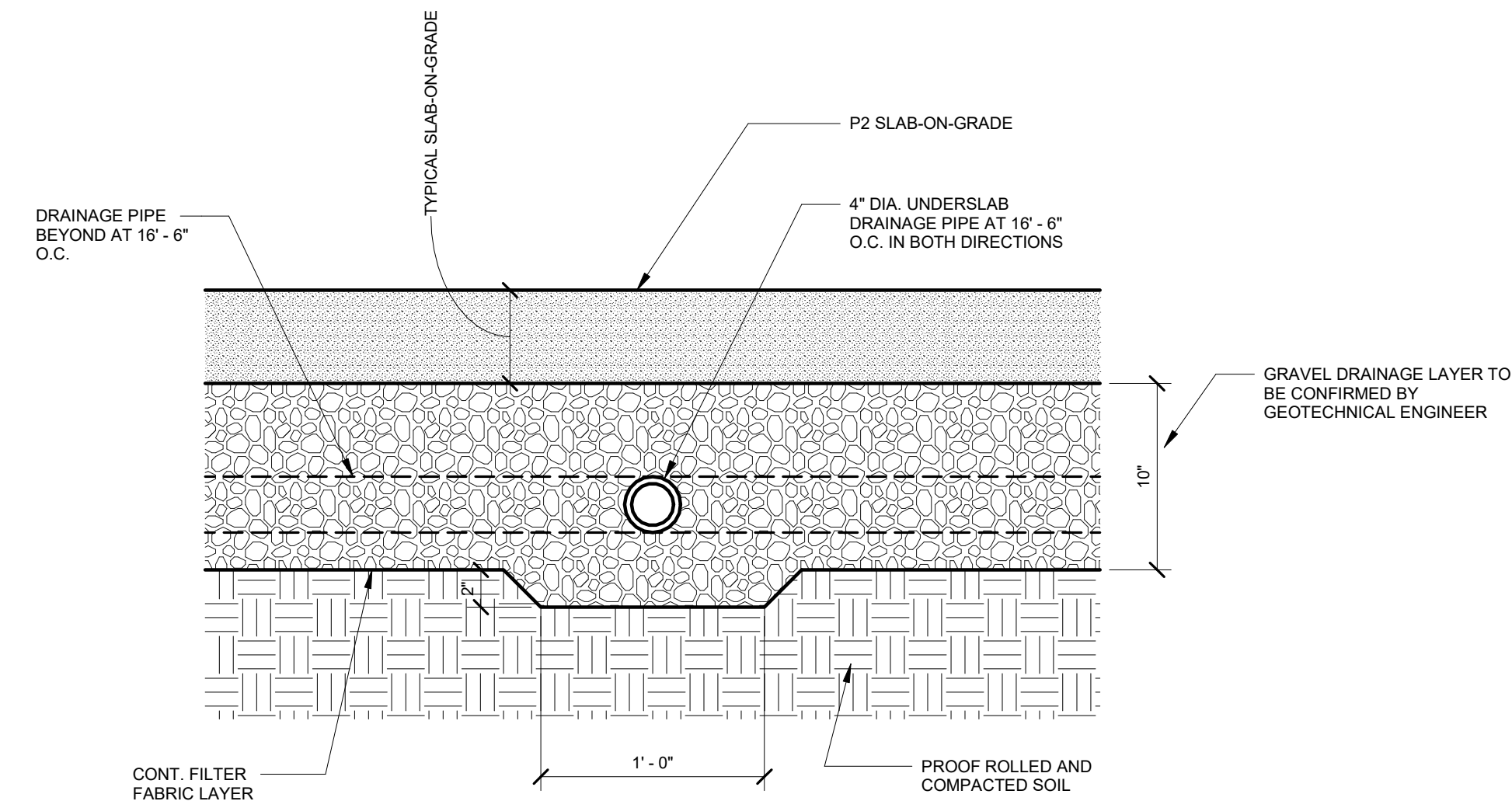
A

D

C

B

A



**UNDERSLAB DRAINAGE SECTION
TO BE CONFIRMED BY GEOTECHNICAL ENGINEER**

02 TYPICAL UNDER SLAB DRAINAGE

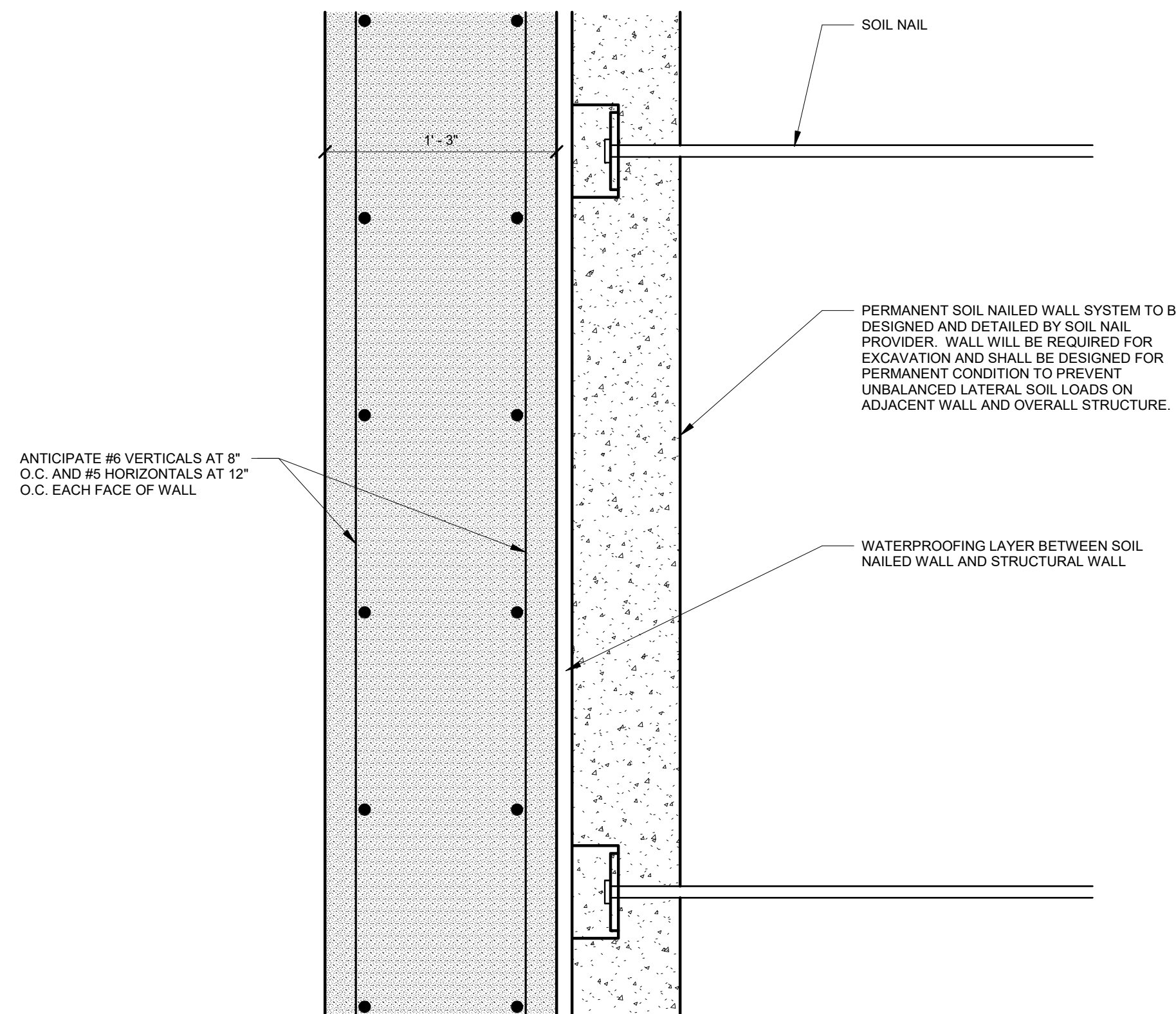
SCALE: 1 1/2" = 1'-0"

ANTICIPATE THE FOLLOWING PIER DESIGNS FOR MULTISTORY COLUMNS:
 INTERIOR COLUMNS 7'-0" DIA. PIERS
 EXTERIOR/CORNER COLUMNS 6'-0" DIA. PIERS

ANTICIPATE THE FOLLOW PIER REINF:
 7'-0" DIA. (20) #11 VERTICALS
 #4 TIES AT 18" O.C.
 6'-0" DIA. (16) #11 VERTICALS
 #4 TIES AT 18" O.C.

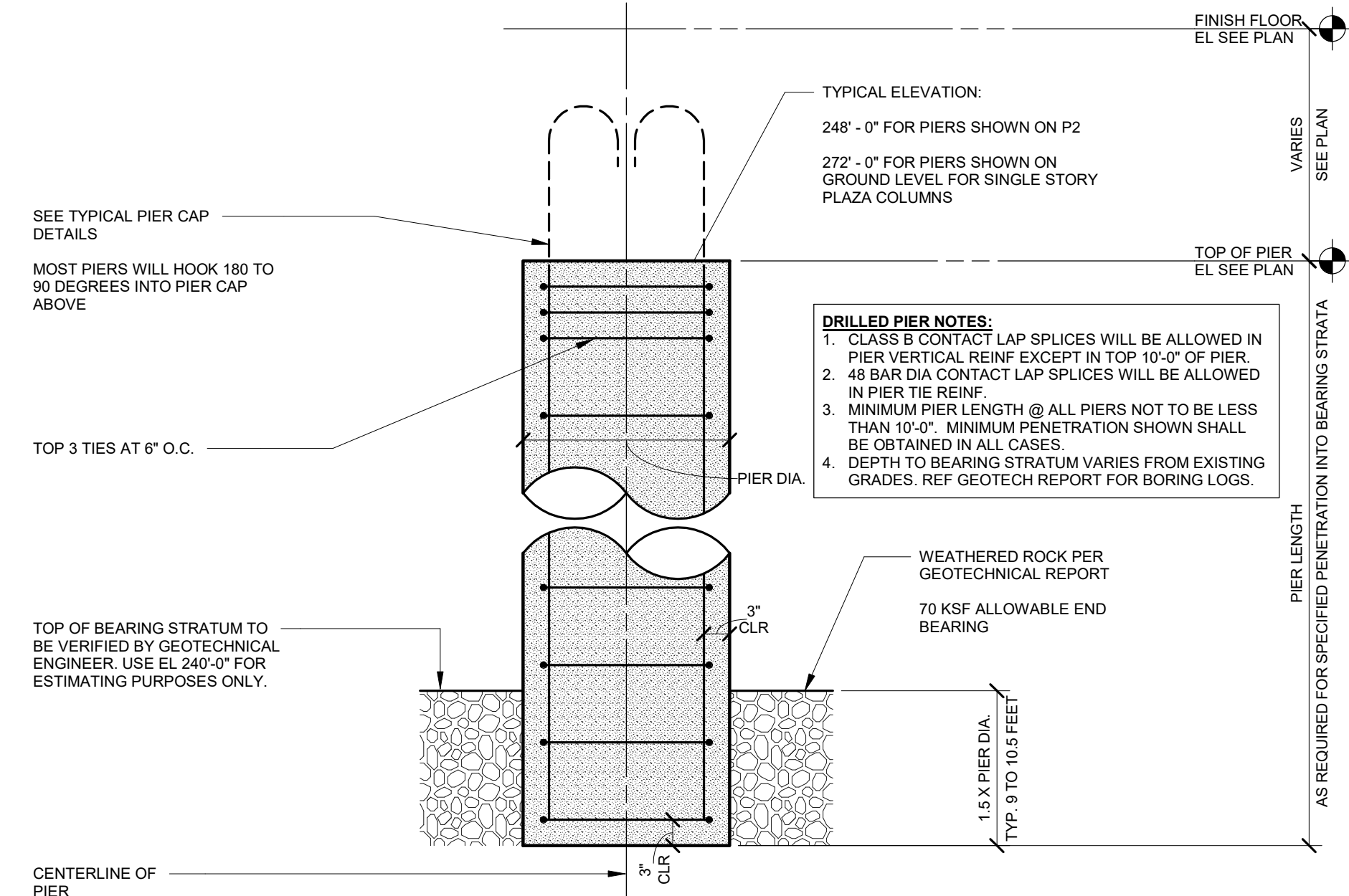
ANTICIPATE THE FOLLOWING PIER DESIGN FOR SINGLE STORY (PLAZA) COLUMNS:
 PLAZA COLUMNS 3'-6" DIA.

ANTICIPATE THE FOLLOW PIER REINF:
 3'-6" DIA. (12) #8 VERTICALS
 #4 TIES AT 18" O.C.



**03 TYPICAL SOIL NAILED RETAINING WALL AND
BASEMENT WALL**

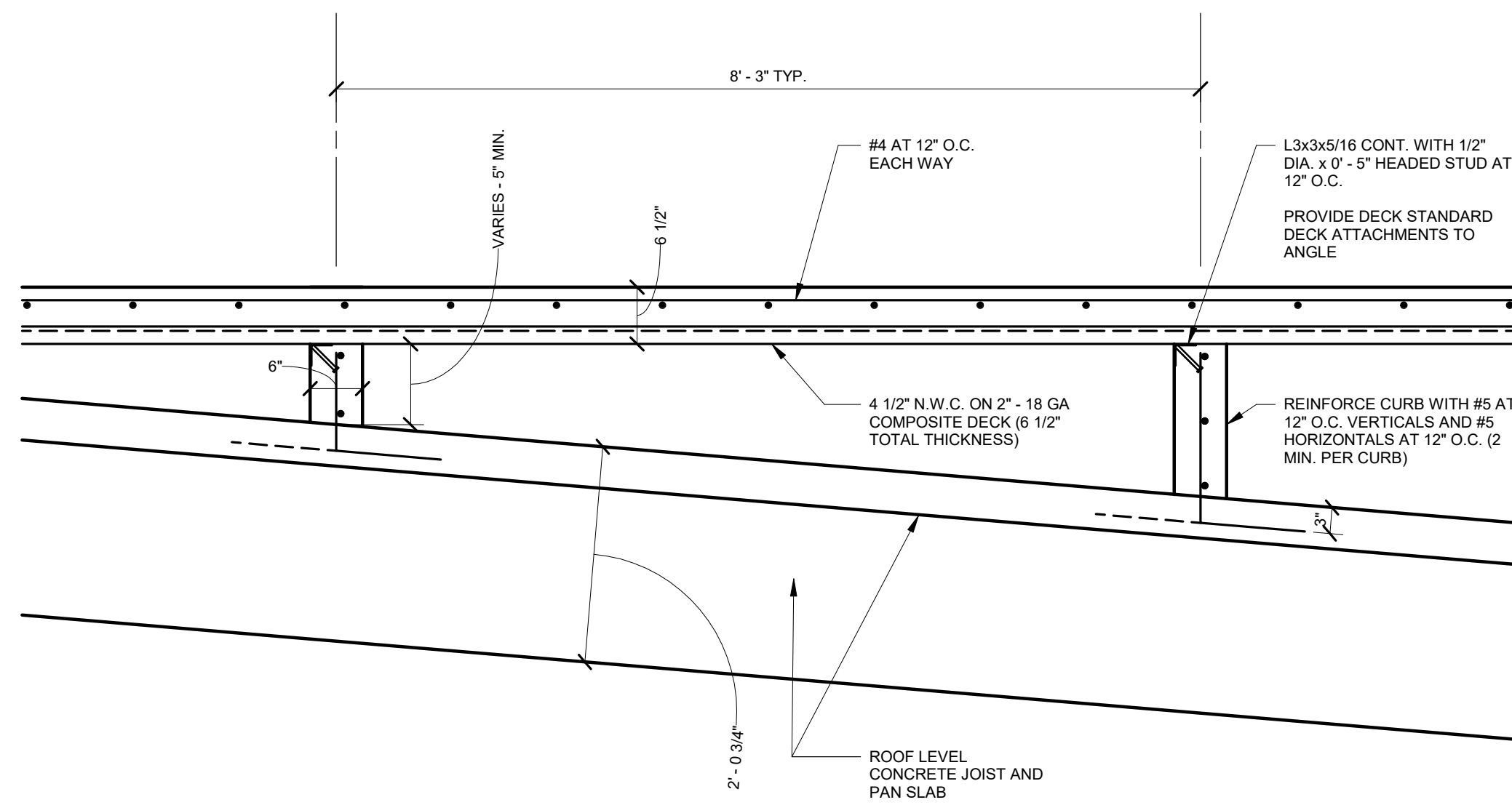
SCALE: 1 1/2" = 1'-0"



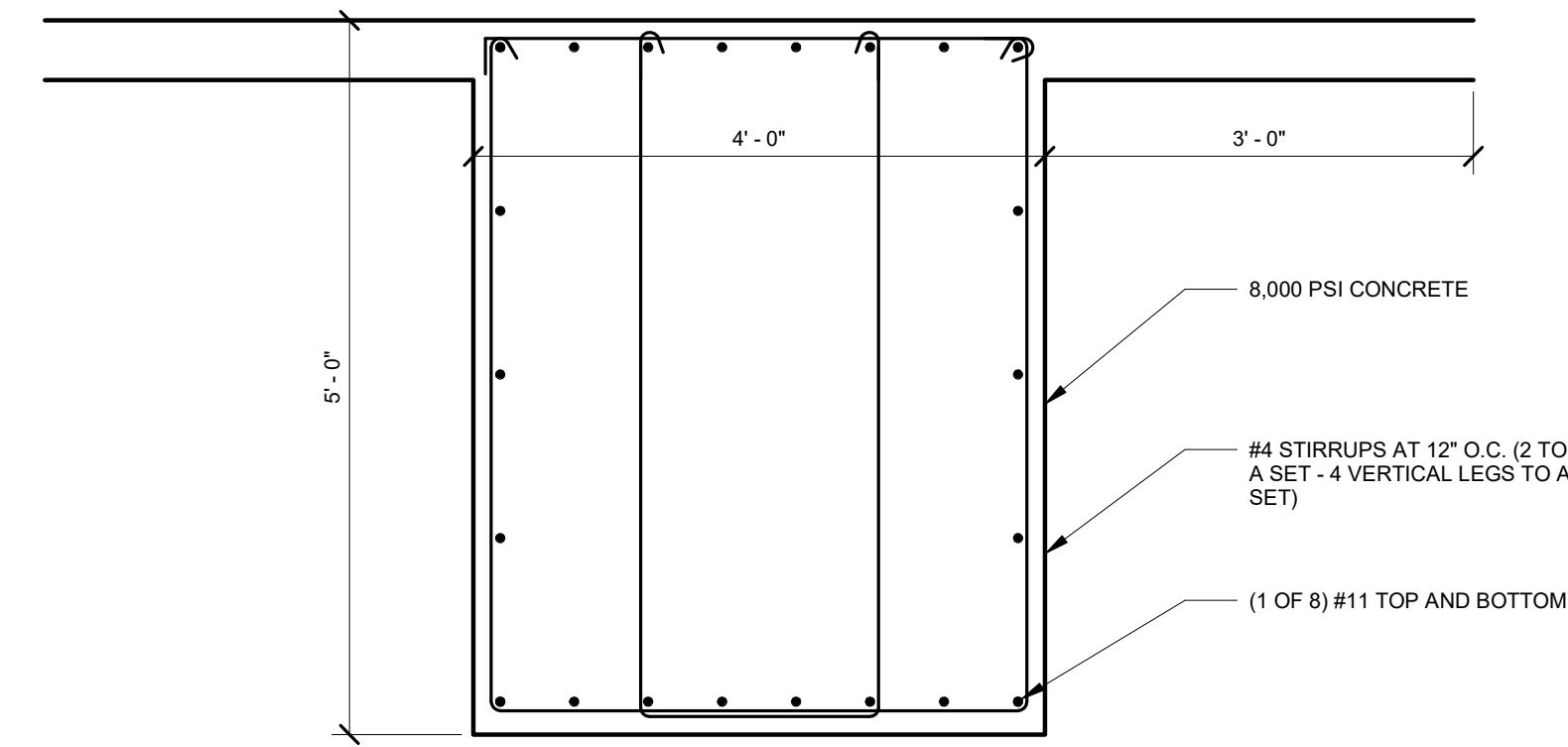
**01 TYPICAL PIER DESIGN AND BEARING STRATUM
INFO**

SCALE: 3/4" = 1'-0"

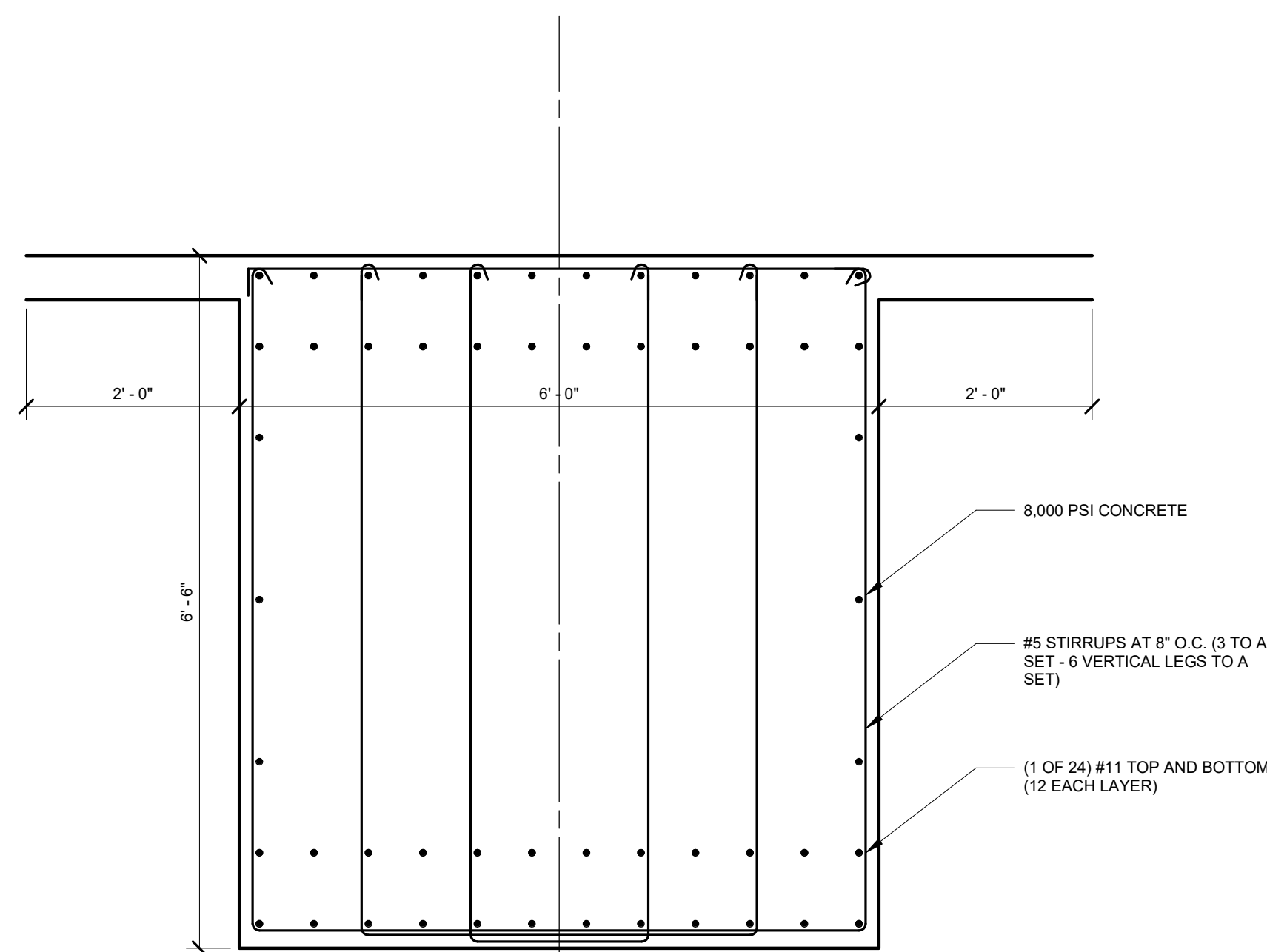
DATE	APPROVED
DESCRIPTION	FOR COMMANDER NAVFAC
SYMBOL	ACTIVITY
SEAL	SATISFACTORY TO DATE 08/22/2018
DESIGNER	DES XXX DRW XXX CHK JKH
PROJECT MANAGER	PM/DM MRR/LKT
BRANCH MANAGER	CHIEF ENGINEER XXX
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND	WASHINGTON WASHINGTON, DC
NAVAL SUPPORT ACTIVITY	BETHESDA, MD
USUHS EDUCATION & RESEARCH	BUILDING ADDITION
SECTIONS AND DETAILS	
SCALE: AS NOTED	
PROJECT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
SB3-01	
DRAWING REVISION: 31 JANUARY 2017	



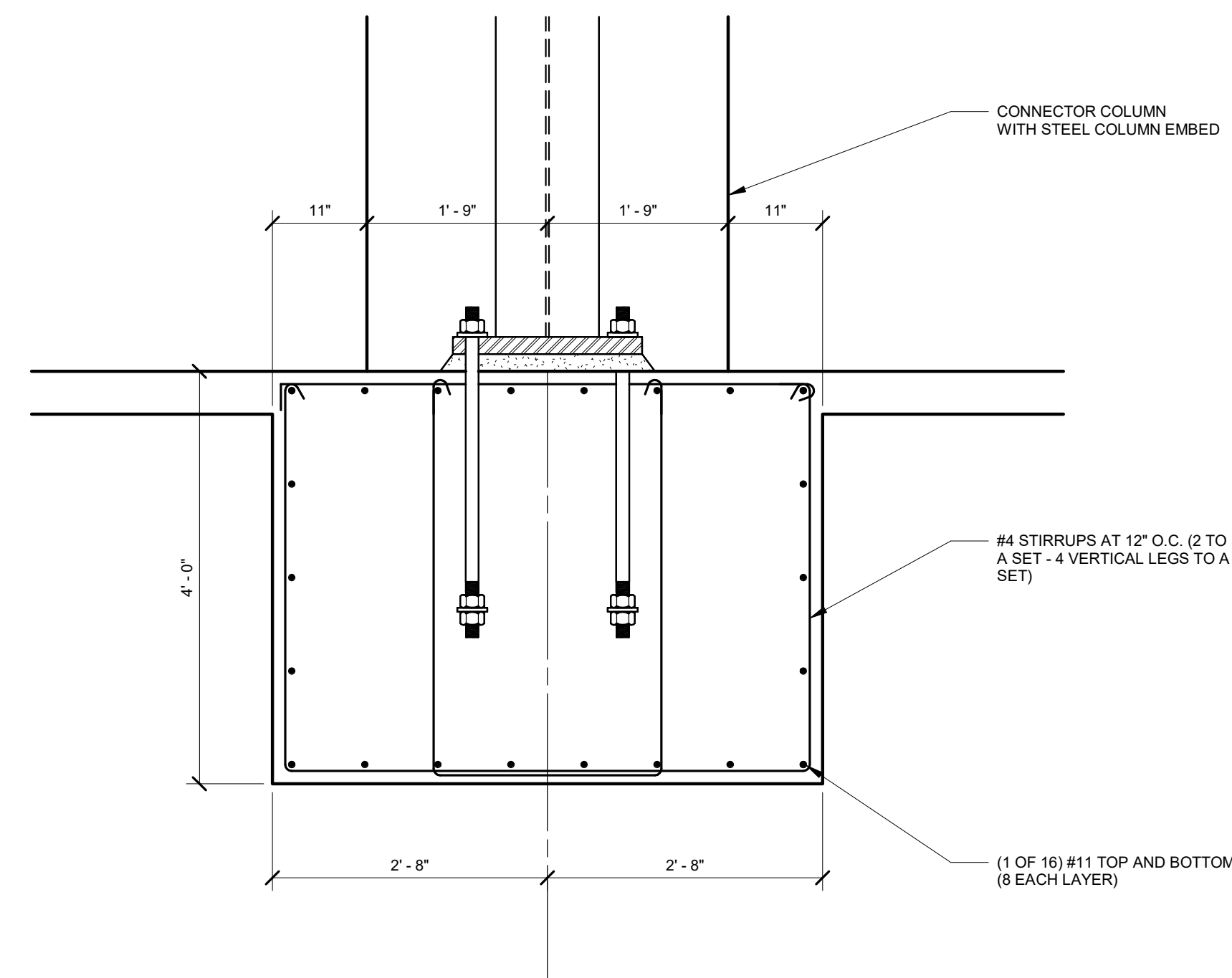
04 TYPICAL PENTHOUSE FLOOR CURBS AND SLAB
SCALE: 3/4" = 1'-0"



02 TRANSFER GIRDER - LEVEL 01
SCALE: 3/4" = 1'-0"



03 TRANSFER GIRDER - LEVEL 02
SCALE: 3/4" = 1'-0"



01 PLAZA LEVEL TRANSFER GIRDER SUPPORTING
42" DIA. CONNECTOR COLUMNS
SCALE: 3/4" = 1'-0"

DATE	APP'R
DESCRIPTION	SYM
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES XXX	DRW XXX
CHK JKH	
PM/DM MRL/KLT	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	
NAVAL FACILITIES ENGINEERING COMMAND	
WASHINGTON DC	
NAVFAC	
NAVAL SUPPORT ACTIVITY	
BETHESDA, MD	
USUHS EDUCATION & RESEARCH	
BUILDING ADDITION	
SECTIONS AND DETAILS	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
SF3-02	
DRAWING REVISION: 31 JANUARY 2017	

1

2

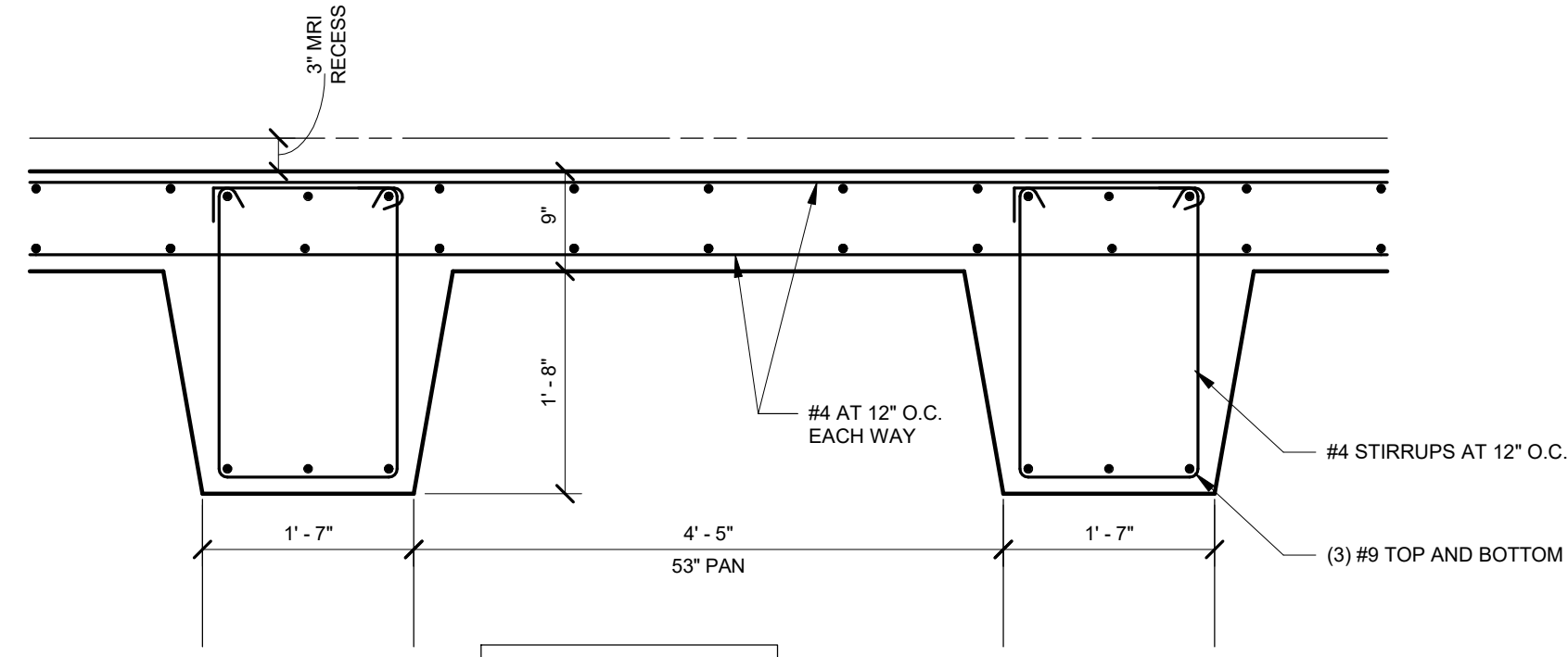
3

4

5

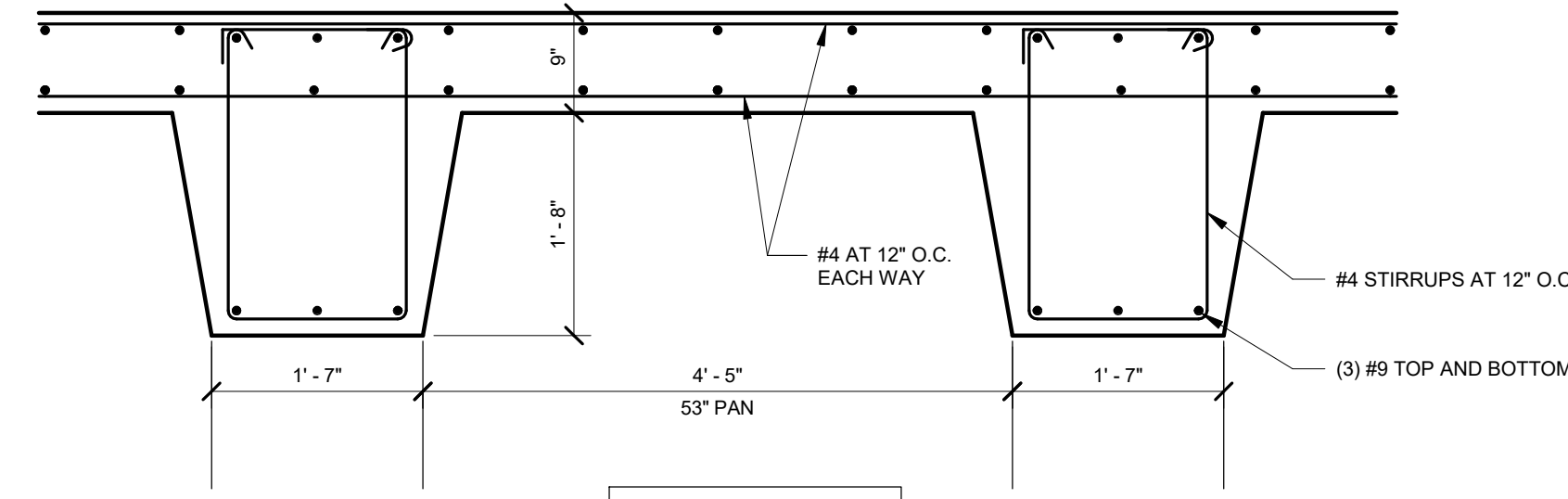
D

D



JOIST DESIGNATION MJX

MRI PAN JOIST SYSTEM

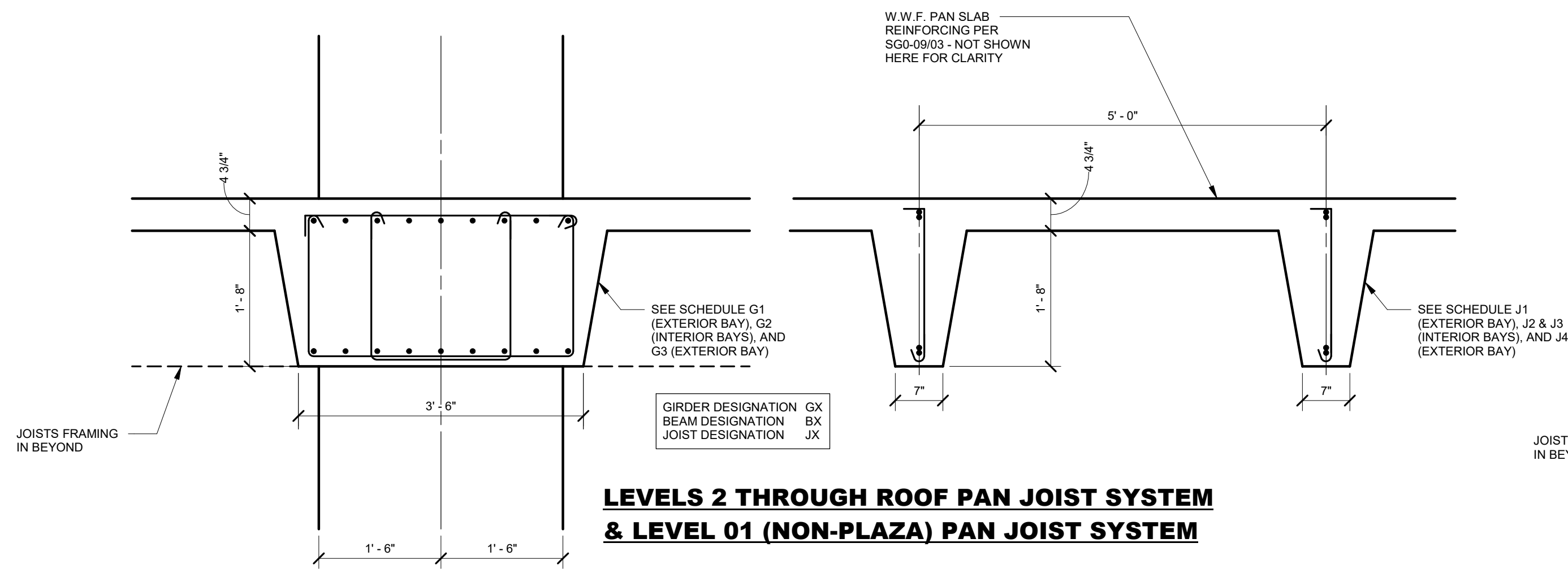


JOIST DESIGNATION TJX

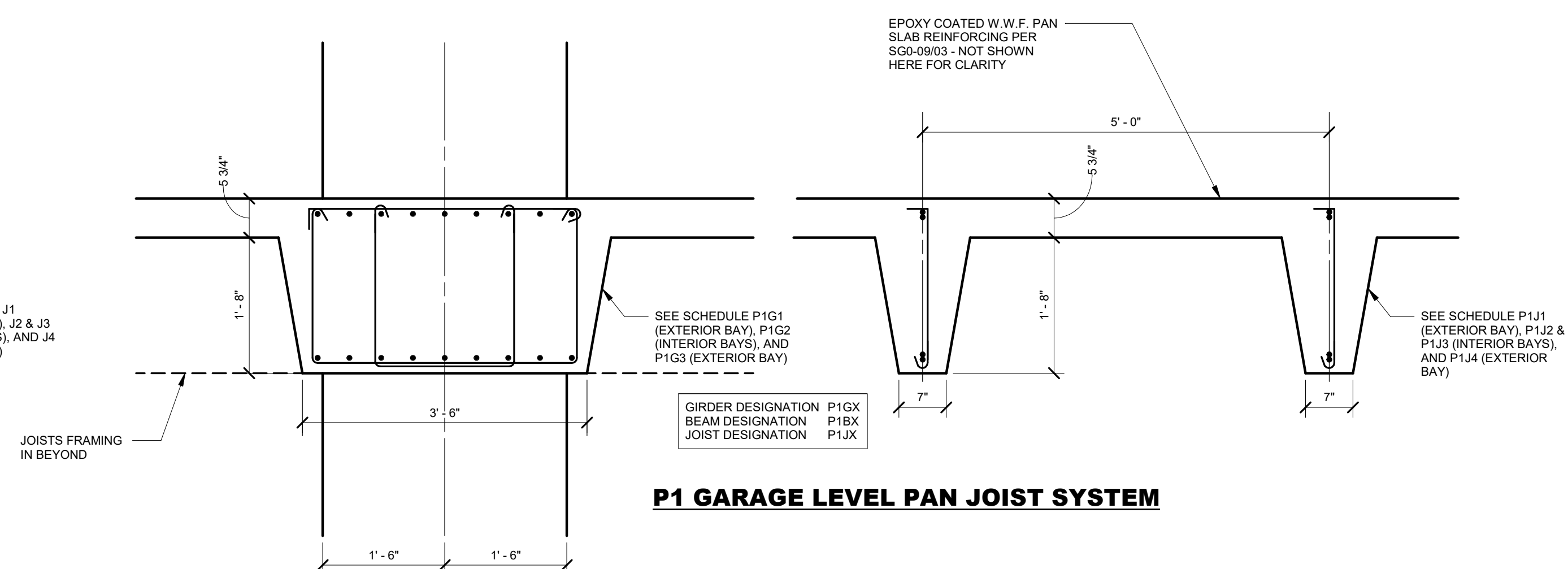
TUNNEL ROOF PAN JOIST SYSTEM

C

C



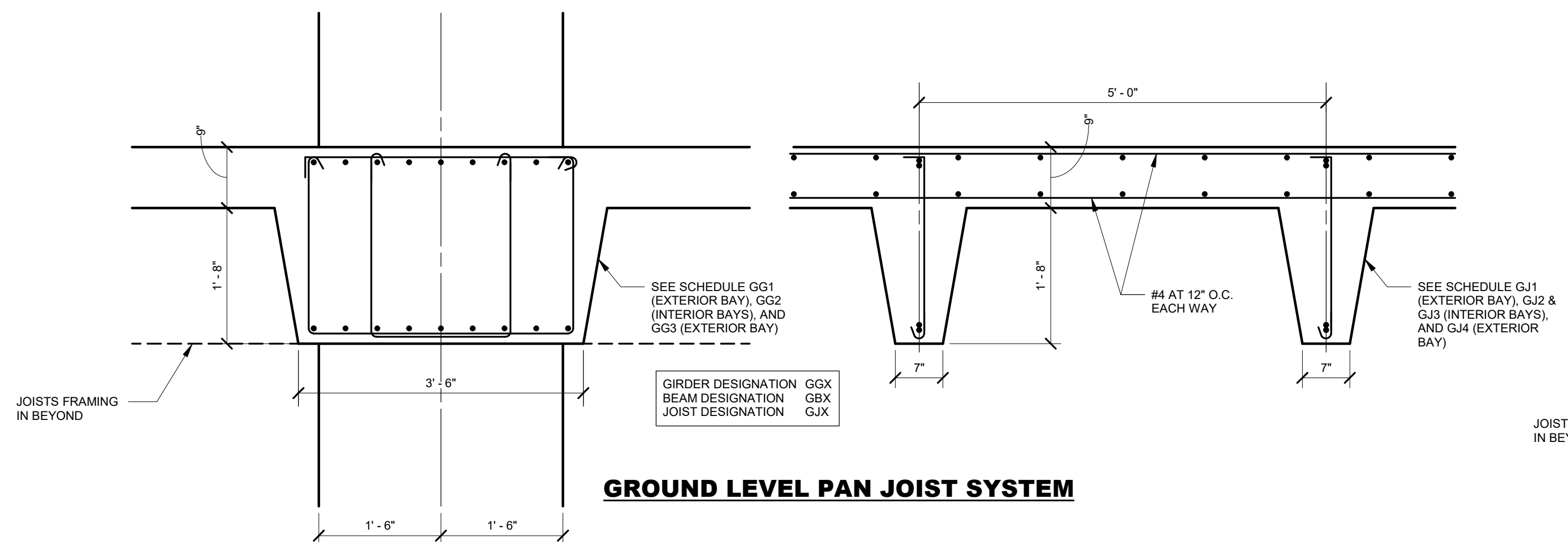
LEVELS 2 THROUGH ROOF PAN JOIST SYSTEM & LEVEL 01 (NON-PLAZA) PAN JOIST SYSTEM



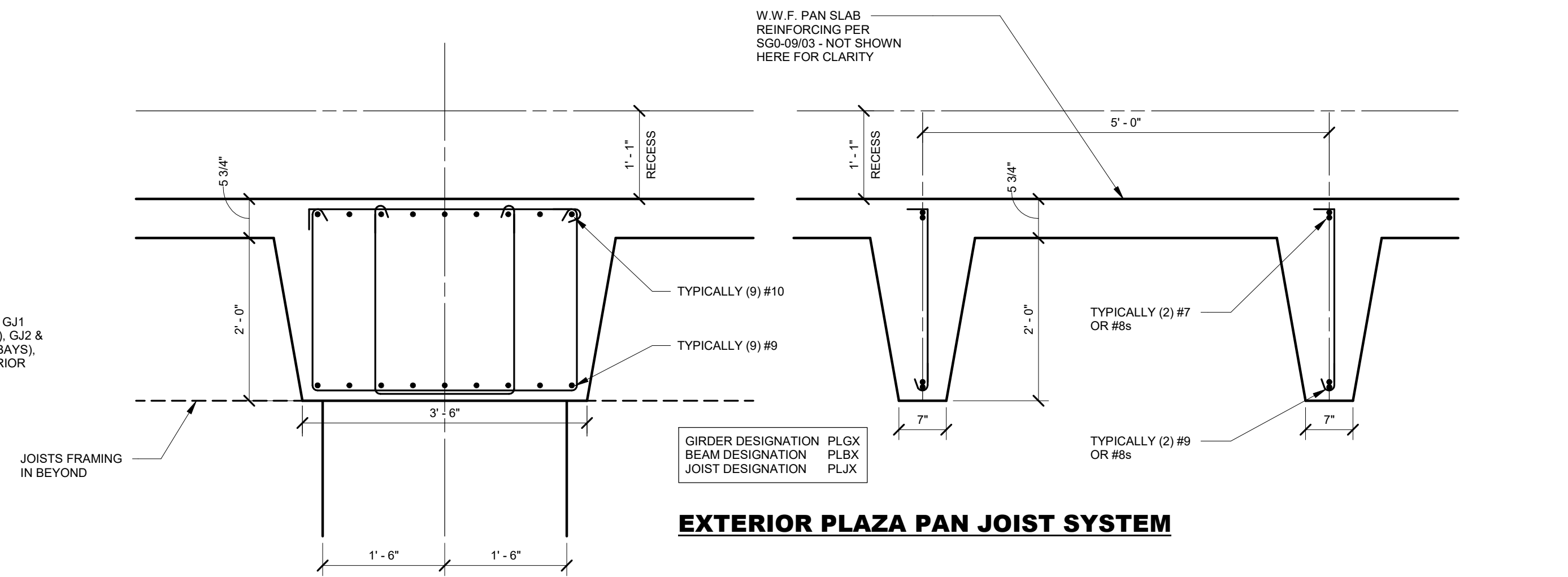
P1 GARAGE LEVEL PAN JOIST SYSTEM

B

B



GROUND LEVEL PAN JOIST SYSTEM



EXTERIOR PLAZA PAN JOIST SYSTEM

A

A

01 TYPICAL CONCRETE PAN JOIST SYSTEMS

SCALE: 3/4" = 1'-0"

1

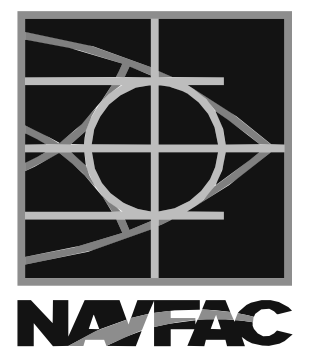
2

3

4

5

NO.	DATE	DESCRIPTION	BY	CHK	APP



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PMID MR/LKT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON, DC

BETHESDA, MD

USUHS EDUCATION & RESEARCH

BUILDING ADDITION

SECTIONS AND DETAILS

DEPARTMENT OF THE NAVY

NAVFAC

NAVFAC DRAWING NO.

SHEET OF

SF3-03

SCALE: AS NOTED

EPROJCT NO: 1583241

CONSTR. CONTR. NO.

DATE

BY

CHK

APP

DESCRIPTION

NO.

DATE

APP

BY

CHK

APP

DESCRIPTION

NO.

DATE

APP

BY

CHK

APP

DESCRIPTION

NO.

DATE

APP

BY

CHK

APP

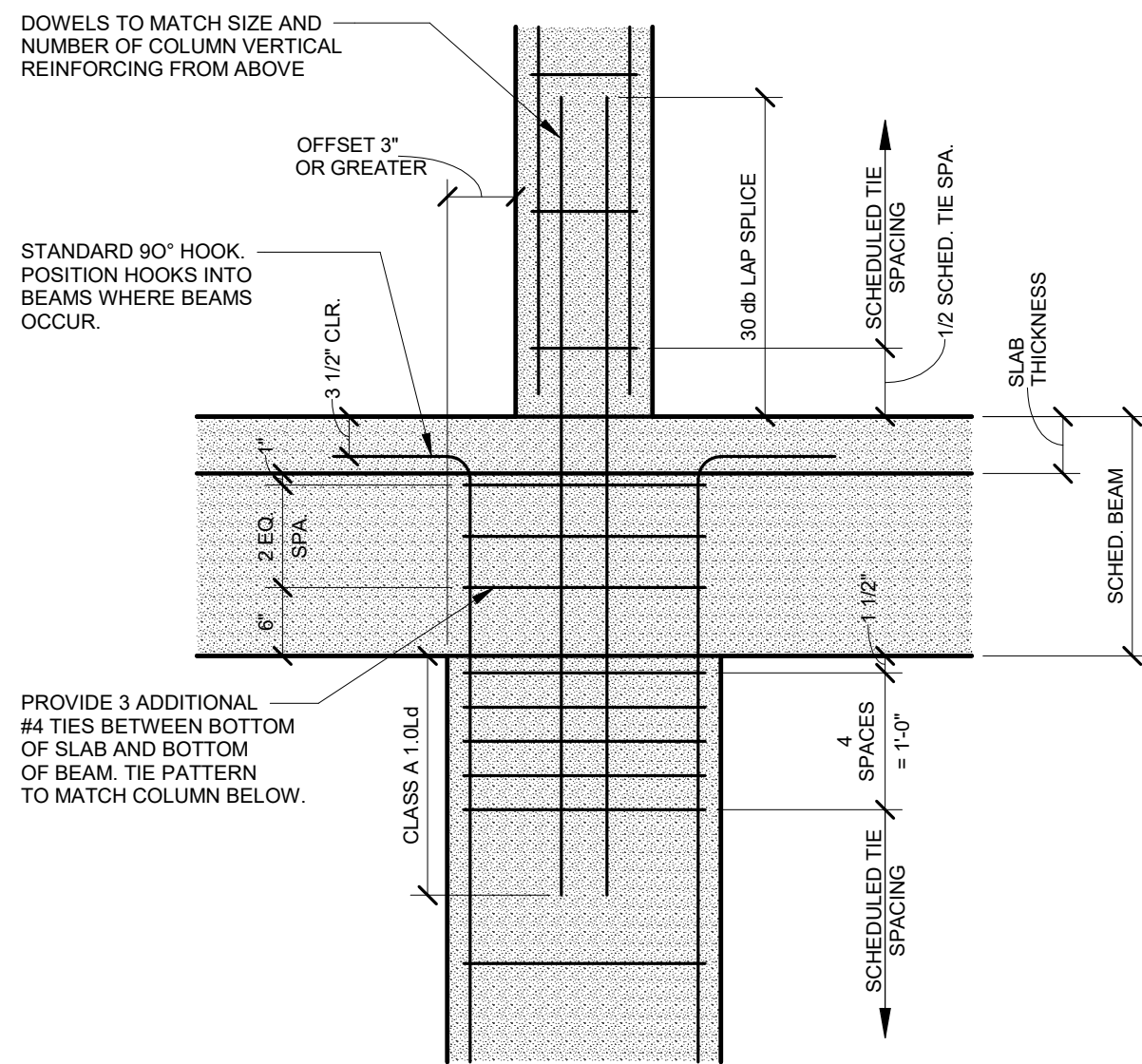
1

2

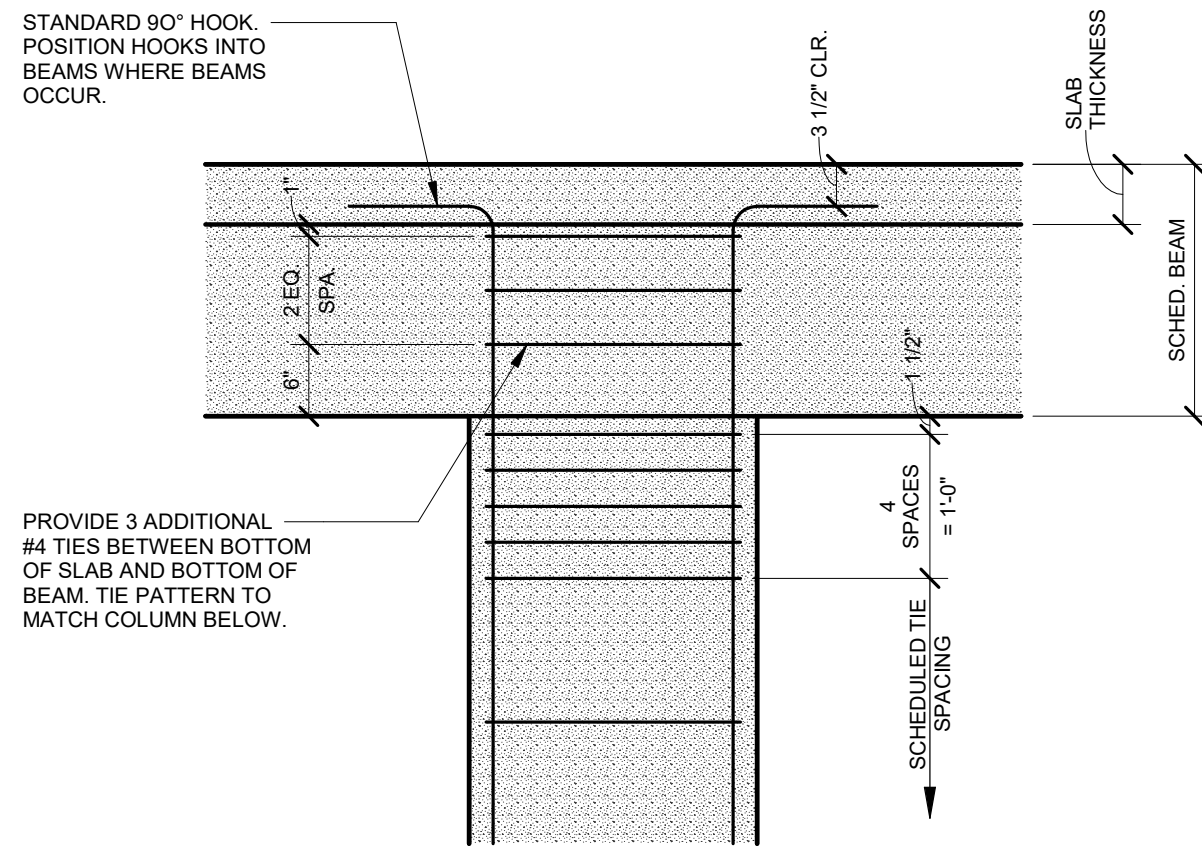
3

4

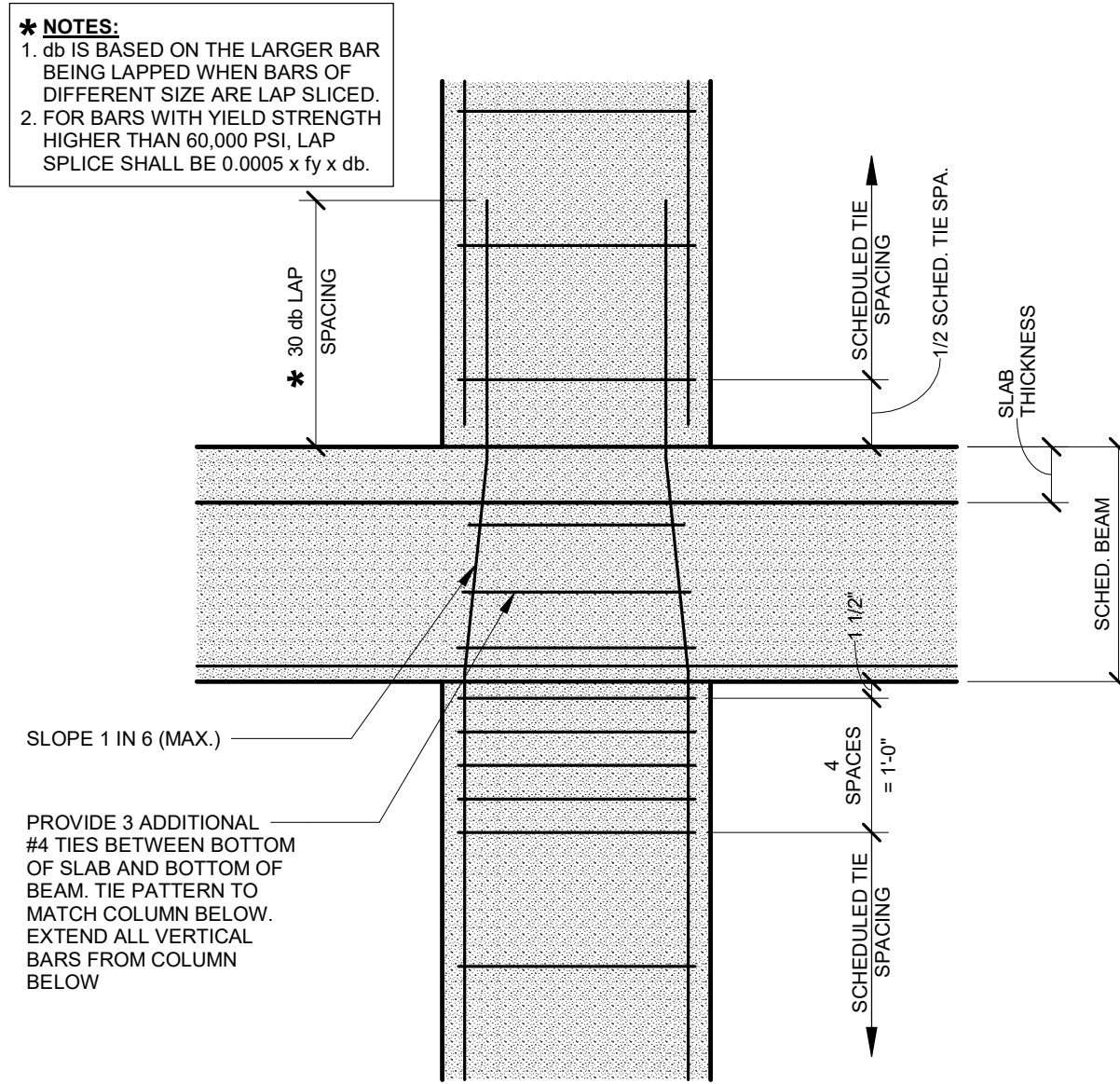
5



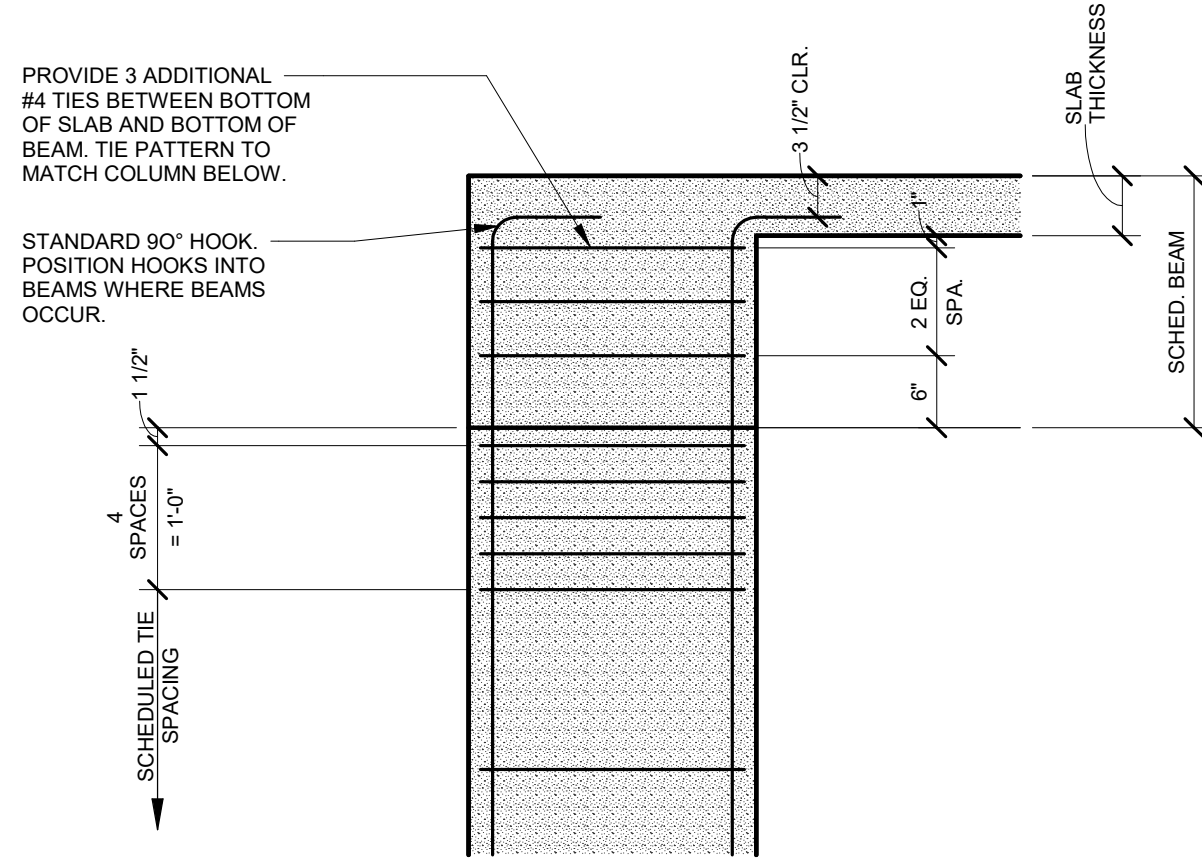
05 COLUMN REINF. DETAIL
SCALE: 3/4" = 1'-0"



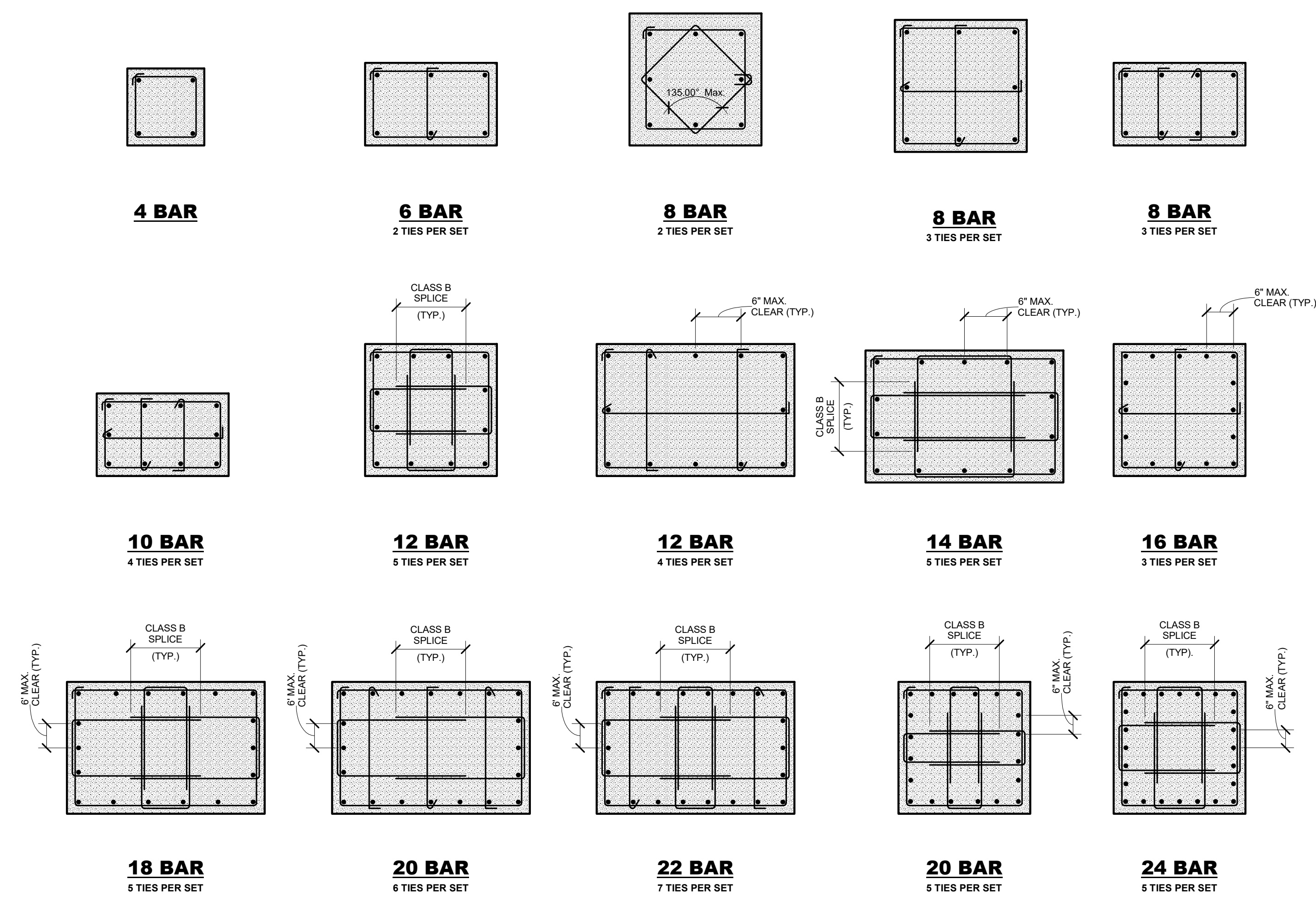
02 TOP OF COLUMN REINF. DETAIL
SCALE: 3/4" = 1'-0"



04 COLUMN REINFORCING DETAIL
SCALE: 3/4" = 1'-0"



03 TOP OF COLUMN REINF. DETAIL AT EXTERIOR COLUMNS
SCALE: 3/4" = 1'-0"



01 COLUMN REINFORCING BAR PATTERNS
SCALE: 3/4" = 1'-0"

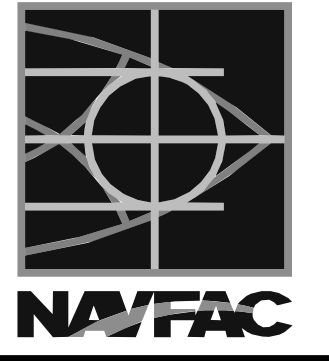
D

C

B

A

DATE
APP'R
DESCRIPTION
SYM



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED
FOR COMMANDER NAVFAC

ACTIVITY

DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PMD MrRLT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON DC

BETHESDA, MD

USUHS EDUCATION & RESEARCH

BUILDING ADDITION

COLUMN TYPICAL DETAILS

DEPARTMENT OF THE NAVY

NAVFAC

NAVFAC DRAWING NO.

SHEET OF

SCALE: AS NOTED

EPROJCT NO: 1583241

CONSTR. CONTR. NO.

DATE

APP'R

DESCRIPTION

SYM

DATE

APP'R

DESCRIPTION

SYM

DATE

APP'R

DESCRIPTION

SYM

DATE

APP'R

DESCRIPTION

SYM

DATE

APP'R

DESCRIPTION

SYM

DATE

APP'R

DESCRIPTION

SYM

DATE

APP'R

SE6-01

DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

COLUMN SCHEDULE

COLUMN GRID		XX-XX, XX-XX, XX-XX, XX-XX, XX-XX, XX-XX																		
LEVEL																				
ROOF																				
LEVEL 05	SIZE	XX" x XX"	X	#XX																
	VERT.	X - #XX																		
	TIES	#X @ XX"																		
LEVEL 04	SIZE	XX" x XX"	X	#XX																
	VERT.	X - #XX																		
	TIES	#X @ XX"																		
LEVEL 03	SIZE	XX" x XX"	X	#XX	XX" x XX"	X - #XX	#X @ XX"	#X @ XX"												
	VERT.	X - #XX																		
	TIES	#X @ XX"																		
LEVEL 02	SIZE	XX" x XX"	X	#XX	XX" x XX"	X - #XX	#X @ XX"	#X @ XX"												
	VERT.	X - #XX																		
	TIES	#X @ XX"																		
LEVEL 01	SIZE	XX" x XX"	X	#XX	XX" x XX"	X - #XX	#X @ XX"	#X @ XX"												
	VERT.	X - #XX																		
	TIES	#X @ XX"																		
GROUND LEVEL	SIZE	XX" x XX"	X	#XX	XX" x XX"	X - #XX	#X @ XX"	#X @ XX"												
	VERT.	X - #XX																		
	TIES	#X @ XX"																		
P1 LEVEL	SIZE	XX" x XX"	X	#XX	XX" x XX"	X - #XX	#X @ XX"	#X @ XX"												
	VERT.	X - #XX																		
	TIES	#X @ XX"																		
P1 LEVEL	SIZE	XX" x XX"	X	#XX	XX" x XX"	X - #XX	#X @ XX"	#X @ XX"												
	VERT.	X - #XX																		
	TIES	#X @ XX"																		
DOWELS			X	#XX	X	#XX														

D

C

B

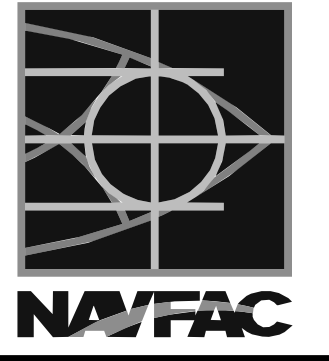
A

D

C

B

A



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PMO MRLKT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON DC

WASHINGTON DC

BE THESDA, MD

NAVAL SUPPORT ACTIVITY

USUHS EDUCATION & RESEARCH

BUILDING ADDITION

COLUMN SCHEDULE

SEAL

AE

REG

SCALE: AS NOTED

EPROJCT NO: 1583241

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

SE6-02

DRAWING REVISION: 31 JANUARY 2017

1

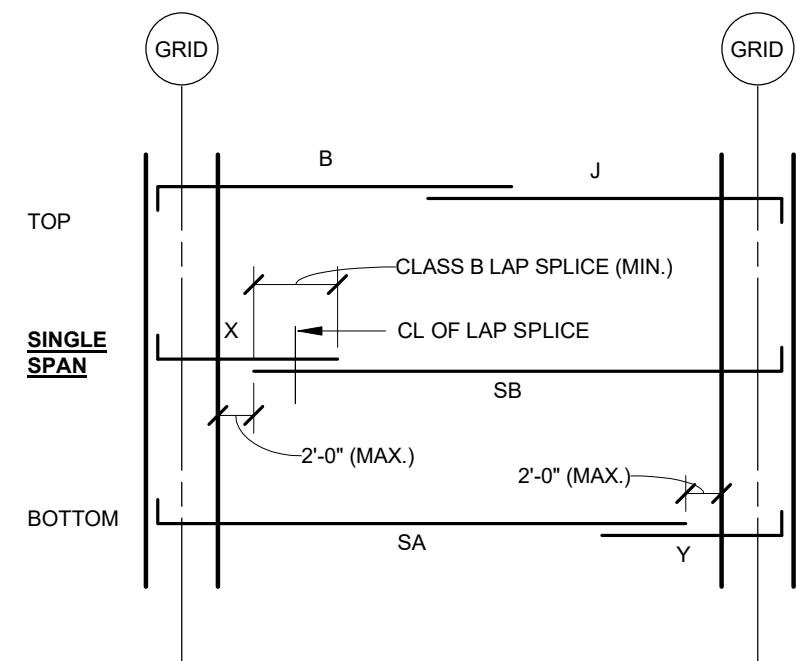
2

3

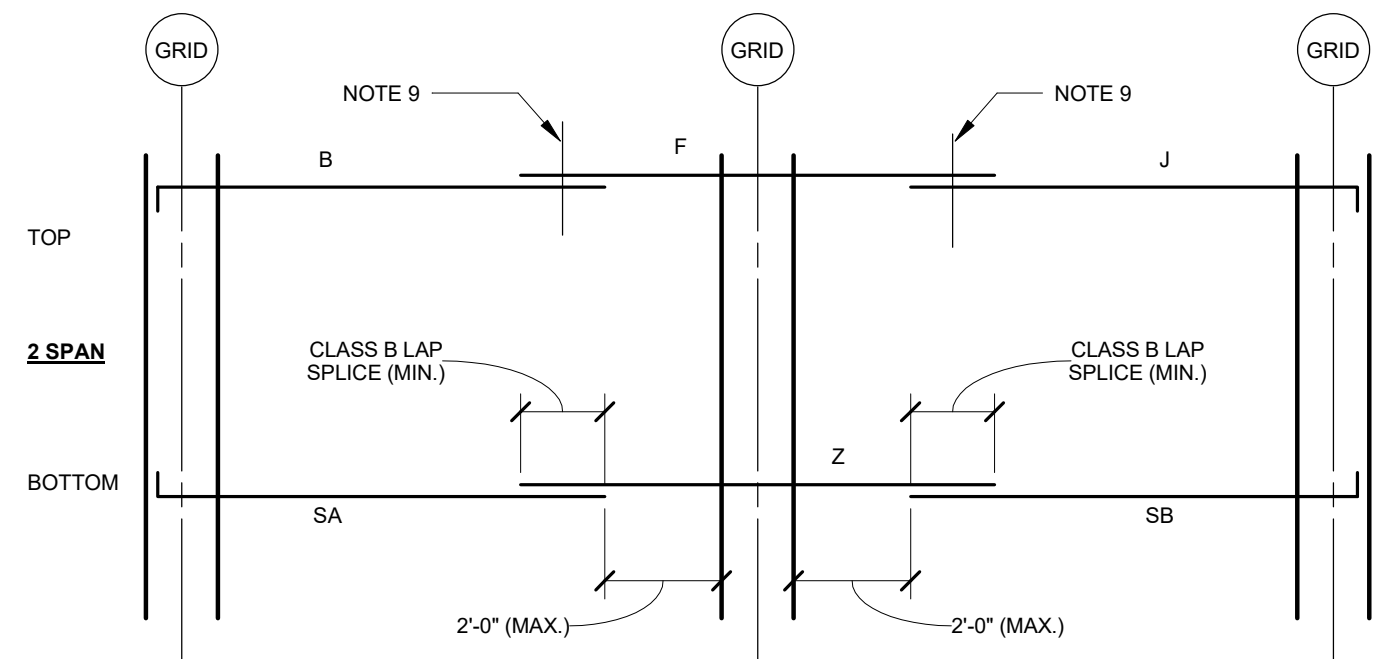
4

5

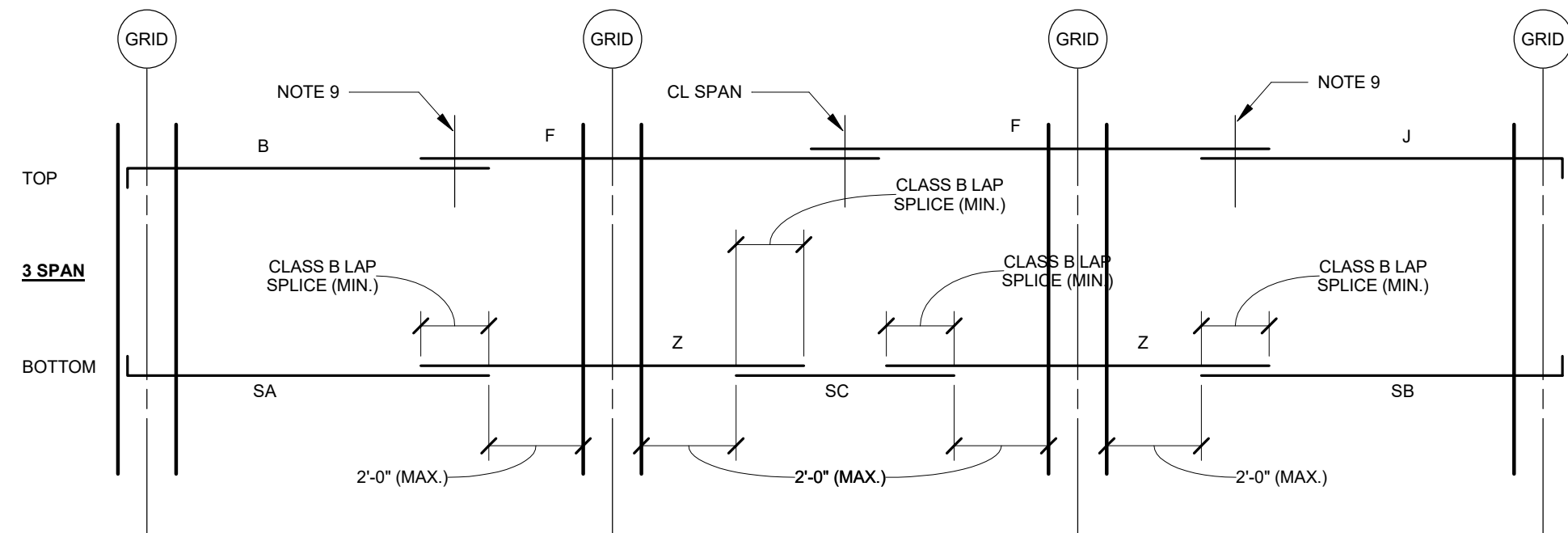
D



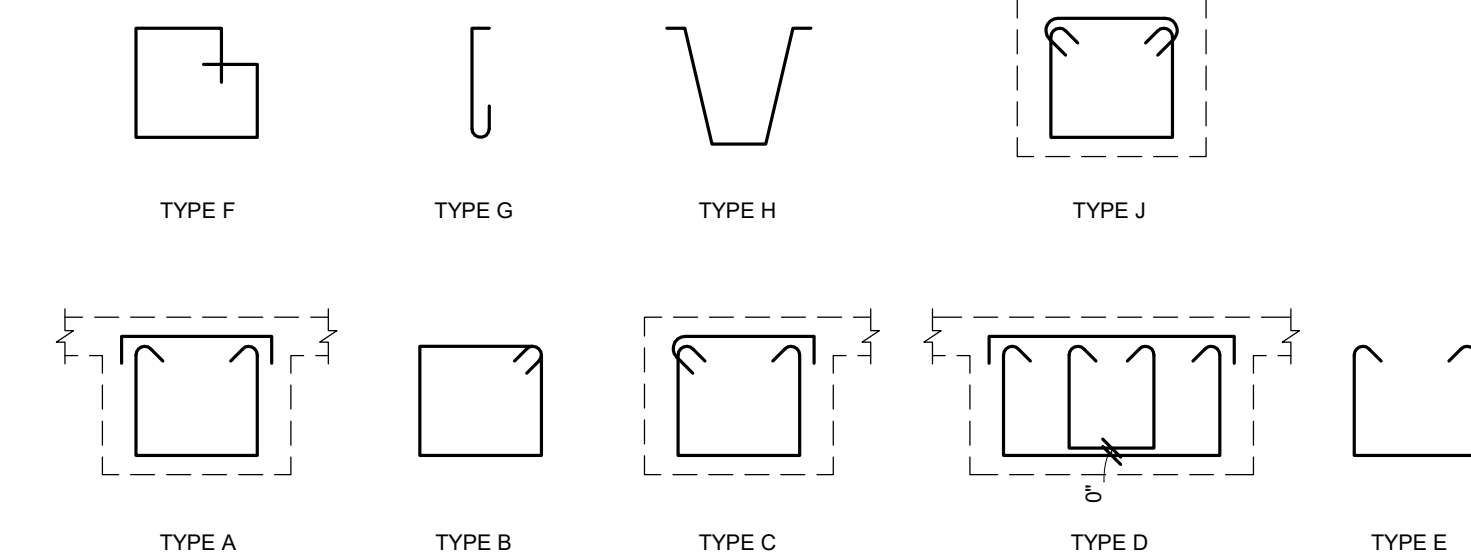
C



B



A



STIRRUP NOTES:

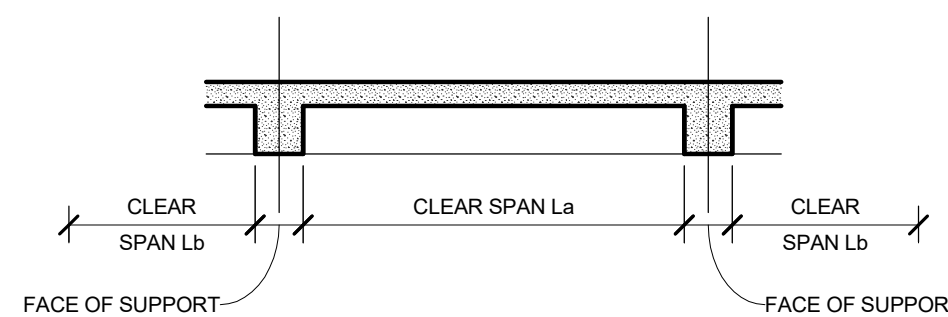
1. SPACING OF FIRST STIRRUP FROM THE FACE OF A SUPPORT SHALL BE 1/2 THE SCHEDULED DISTANCE UNLESS NOTED OTHERWISE.
2. ONE STIRRUP OF MULTIPLE STIRRUP SETS SHALL BE FULL WIDTH OF THE SCHEDULED MEMBER.

02 STIRRUP TYPES
SCALE: 3/4" = 1'-0"

BAR BENDING DETAILS

TYPE	CLEAR SPAN L _b	BM, COL, OR WALL	CLEAR SPAN L _a	BM, COL, OR WALL	CLEAR SPAN L _b
		FACE OF SUPPORT (TYP.)		FACE OF SUPPORT (TYP.)	
P		6" MIN.	0.125 L _a		
Q		0.125 L _a	6" MIN.		
R		6" MIN.	6" MIN.		
S	NOTE 6		CTR. SUPPORT		NOTE 6
SA			48D LAP		
SB		2'-0" MAX.	CLASS B LAP (MIN.)		
SC		2'-0" MAX.	2'-0" MAX.		
T					
V		0.125 L _a	0.125 L _a		
W		0.33 L _a	0.33 L _a		
X			NOTE 2		
Y			NOTE 2		
Z			NOTE 2		NOTE 2

- BAR BENDING NOTES:**
1. 0.30 L_a OR 0.30 L_b, WHICHEVER IS GREATER.
 2. 0.20 L_a OR 0.20 L_b, WHICHEVER IS GREATER.
 3. STANDARD 90 DEGREE HOOKS PER A.C.I. 318. IF BEAM DEPTH IS PROHIBITIVE USE STANDARD 180 DEGREE HOOK AS PER A.C.I. 318.
 4. BEAMS 36" DEEP OR GREATER SHALL HAVE SKIN REINFORCING PER TYPICAL DETAIL.
 5. WHERE CONTINUOUS TOP STEEL IS NOT SCHEDULED IN BEAMS, PROVIDE 2-#4 AS REQUIRED TO SUPPORT STIRRUPS. LAP 48D WITH ADJACENT REINFORCING.
 6. PROVIDE HOOK AT DISCONTINUOUS END ONLY, U.N.O.
 7. DO NOT HOOK AT DISCONTINUOUS END.
 8. CANTILEVERS ARE SCHEDULED AS INDIVIDUAL SPANS, U.N.O. WHERE CANTILEVER SPANS ARE NOT SCHEDULED, EXTEND TOP AND BOTTOM BARS TO END OF CANTILEVER AND PROVIDE STD. HOOKS AND PROVIDE STIRRUPS AT SIZE AND SPACING TO MATCH ADJACENT END OF ADJACENT SPAN.
 9. CENTERLINE OF THE SPLICE MAY BE SHIFTED FROM THE CENTER OF THE SPAN BY A MAXIMUM DISTANCE OF 6'-6" IF SCHEDULED "T" BAR LENGTH EXCEEDS 60'-0". PROVIDED THE ADJACENT BARS ARE LENGTHENED TO THE SPECIFIED LAP LENGTH.
 10. WHERE LENGTH OF "S" BAR EXCEEDS 60'-0", PROVIDE THE FOLLOWING:
 - A. AT SINGLE SPANS, A LAP SPLICE COMBINATION OF "SA" AND "Y" WITH "SB" AND "X" BARS. PLACE BARS WITH LAPS LOCATED AT ALTERNATE ENDS OF BEAM.
 - B. AT MULTIPLE SPANS, PROVIDE A LAP SPLICE COMBINATION OF "SA", "Z", "SC", AND "SB" BARS.

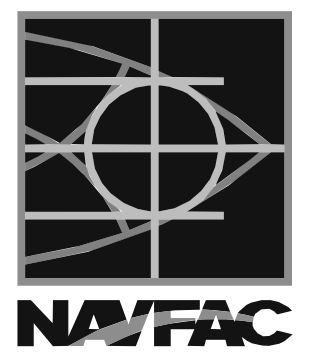


01 BAR BENDING DETAILS
SCALE: 3/4" = 1'-0"

BAR BENDING DETAILS

TYPE	CLEAR SPAN L _b	BM, COL, OR WALL	CLEAR SPAN L _a	BM, COL, OR WALL	CLEAR SPAN L _b
		FACE OF SUPPORT (TYP.)		FACE OF SUPPORT (TYP.)	
A			0.3 L _a		
B			3" CLR.		
C			CTR. SPAN		
D			NOTE 2		NOTE 2
E			NOTE 1		NOTE 1
F		CTR. SPAN	48D LAP	CTR. SPAN	48D LAP
G			NOTE 1		NOTE 1
H			0.3 L _b		
J			CTR. SPAN		48D LAP
K			NOTE 2		
L			NOTE 2		
M			CTR. SPAN		CTR. SPAN

DATE
DESCRIPTION
SYN



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PMID MR/LKT

BRANCH MANAGER

CHIEF ENGINEER XXXX

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON WASHINGTON DC

BETHESDA, MD

USUHS EDUCATION & RESEARCH

BUILDING ADDITION

TYPICAL BAR BENDING DETAILS

NAVFAC

NAVAL SUPPORT ACTIVITY

SCALE: AS NOTED

EPROJCT NO: 1583241

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

SE6-10

DRAWING REVISION: 31 JANUARY 2017

KEY PLAN

1

2

3

4

5

D

C

B

A

1

2

3

4

5

D

C

B

A

D

C

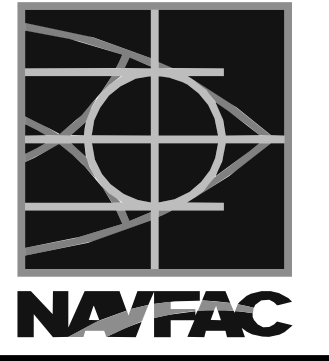
B

A

BEAM SCHEDULE

BEAM MARK	BEAM SIZE (IN.)			REINFORCING			STIRRUPS			NOTES	
	W	x	D	(QUANTITY	- SIZE -	TYPE)	SIZE	TYPE	SPA, EA, END		
B1	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B2	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B3	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B4	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B5	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B6	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B7	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B8	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B9	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B10	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B11	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B12	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B13	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B14	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B15	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B16	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B17	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
B18	XX	x	XX	TOP	XX-XX-XX	XX-XX-XX	XX-XX-XX	X	X	X	X
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BOTTOM	XX-XX-XX	XX-XX-XX	XX-XX-XX				
				BARS	XX-XX-XX	XX-XX-XX	XX-XX-XX				

NOTES:
 1. XXXX
 2. XXXX



HKS WSP JV
 350 N SAINT PAUL ST
 SUITE 100
 DALLAS, TX 75201-4200

DATE: 08/22/2018
 DES: XXX | DRW: XXX | CHK: JKH
 PMDM: MrRLT
 BRANCH MANAGER:
 CHIEF ENGINEER: XXX
 FIRE PROTECTION:

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON WASHINGTON DC
 NAVFAC
 USUHS EDUCATION & RESEARCH
 BUILDING ADDITION
 BEAM SCHEDULES

SCALE: AS NOTED
 EPROJCT NO: 1583241
 CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
 SHEET OF

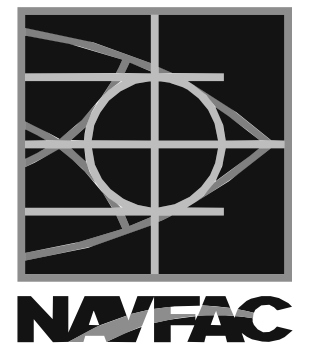
SE6-11

DRAWING REVISION: 31 JANUARY 2017

GIRDER SCHEDULE

GIRDER MARK	GIRDER SIZE (IN.)			REINFORCING			STIRRUPS			NOTES
	W	x	D	(QUANTITY)	- SIZE -	TYPE	SIZE	TYPE	SPA, EA, END	
G1	42	x	24.75	TOP	9 - 11 - B	9 - 11 - F	4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
G2	42	x	24.75	TOP	9 - 11 - F		4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
G3	42	x	24.75	TOP	9 - 11 - J		4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
GG1	42	x	29	TOP	9 - 10 - B	9 - 10 - F	4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
GG2	42	x	29	TOP	9 - 10 - F		4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
GG3	42	x	29	TOP	9 - 10 - J		4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
PIG1	42	x	25.75	TOP	9 - 11 - B	9 - 11 - F	4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
PIG2	42	x	25.75	TOP	9 - 11 - F		4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
PIG3	42	x	25.75	TOP	9 - 11 - J		4	D	AT 8" O.C.	X
				BARS						
				BOTTOM	9 - 9 - S					
G10	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
G11	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
G12	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
G13	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
G14	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
G15	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
G16	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
G17	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
G18	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				

NOTES:
 1. XXXX
 2. XXXX



HKS WSP JV
 350 N SAINT PAUL ST
 SUITE 100
 DALLAS, TX 75201-4200

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PMDM Mr/Lt

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

NAVFAC DRAWING NO.

SHEET OF

SCALE: AS NOTED

PROJECT NO: 1583241

CONSTR. CONTR. NO.

SE6-21

DRAWING REVISION: 31 JANUARY 2017

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON WASHINGTON DC

NAVFAC

BETHESDA, MD

USUHS EDUCATION & RESEARCH

BUILDING ADDITION

GIRDER SCHEDULES

D

D

C

C

B

B

A

A

1

2

3

4

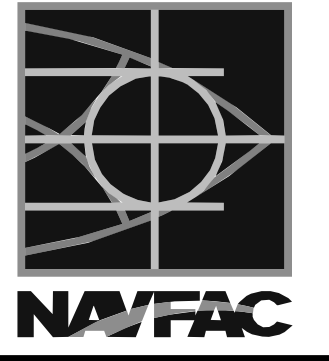
5

JOIST SCHEDULE

JOIST MARK	JOIST SIZE (IN.)			REINFORCING			STIRRUPS			NOTES
	W	x	D	(QUANTITY	- SIZE -	TYPE)	SIZE	TYPE	SPA, EA, END	
J1	7	x	24.75	TOP	2 - 6 - B	2 - 7 - F	3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	1 - 9 - S					
				BARS	1 - 8 - S					
J2	7	x	24.75	TOP	2 - 6 - F		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	2 - 7 - S					
				BARS						
J3	7	x	24.75	TOP	2 - 7 - F		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	2 - 7 - S					
				BARS						
J4	7	x	24.75	TOP	2 - 6 - J		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	1 - 9 - S					
				BARS	1 - 8 - S					
GJ1	7	x	29	TOP	2 - 6 - B	2 - 7 - F	3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	1 - 9 - S					
				BARS	1 - 8 - S					
GJ2	7	x	29	TOP	2 - 6 - F		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	2 - 7 - S					
				BARS						
GJ3	7	x	29	TOP	2 - 7 - F		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	2 - 7 - S					
				BARS						
GJ4	7	x	29	TOP	2 - 6 - J		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	1 - 9 - S					
				BARS	1 - 8 - S					
P1J1	7	x	25.75	TOP	2 - 6 - B	2 - 7 - F	3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	1 - 9 - S					
				BARS	1 - 8 - S					
P1J2	7	x	25.75	TOP	2 - 6 - F		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	2 - 7 - S					
				BARS						
P1J3	7	x	25.75	TOP	2 - 7 - F		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	2 - 7 - S					
				BARS						
P1J4	7	x	25.75	TOP	2 - 6 - J		3	G	16 AT 6" O.C. R AT 10" O.C.	X
				BARS						
				BOTTOM	1 - 9 - S					
				BARS	1 - 8 - S					
J13	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
				BARS	XX - XX - XX	XX - XX - XX				
J14	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
				BARS	XX - XX - XX	XX - XX - XX				
J15	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
				BARS	XX - XX - XX	XX - XX - XX				
J16	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
				BARS	XX - XX - XX	XX - XX - XX				
J17	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
				BARS	XX - XX - XX	XX - XX - XX				
J18	XX	x	XX	TOP	XX - XX - XX	XX - XX - XX	X	X	X	X
				BARS	XX - XX - XX	XX - XX - XX				
				BOTTOM	XX - XX - XX	XX - XX - XX				
				BARS	XX - XX - XX	XX - XX - XX				

NOTES:
 1. XXXX
 2. XXXX

DATE	APP'R
DESCRIPTION	SYMBOL



HKS WSP JV
 350 N SAINT PAUL ST
 SUITE 100
 DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/2018

DES XXX | DRW XXX | CHK JKH

PMDM Mr/Lt

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON, WASHINGTON DC
 NAVFAC
 USUHS EDUCATION & RESEARCH
 BUILDING ADDITION
 JOIST SCHEDULES
 BETHESDA, MD

SCALE: AS NOTED

EPROJECT NO: 1583241

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

SE6-31

DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

D

D

C

C

B

B

A

A

Uniformed Services University of Health Sciences Education & Research Building Addition

Naval Support Activity
Bethesda, MD



HKS | WSP JOINT VENTURE
DALLAS, TEXAS

CIVIL
LANDSCAPE
ARCHITECTURAL
INTERIOR DESIGN
STRUCTURAL
MECHANICAL
PLUMBING
ELECTRICAL
TELECOMMUNICATION
FIRE PROTECTION

**ANTI-TERRORISM /
FORCE PROTECTION**
PROTECTION ENGINEERING
SAN ANTONIO, TEXAS

COST ESTIMATE
CONSTRUCTION COST MANAGEMENT
FORT WORTH, TEXAS

**VERTICAL TRANSPORTATION/
MATERIALS MANAGEMENT**
LAMMERS & ASSOCIATES
RESTON, VIRGINIA

MEDICAL EQUIPMENT
THE INNOVA GROUP
AUSTIN, TEXAS

WAYFINDING
focusEGD
DALLAS, TEXAS

DESIGNER OF RECORD	
SUBMITTED BY:	QUALITY CONTROL:
TITLE:	TITLE:
ACTIVITY	
ACTIVITY-SATISFACTORY TO	
NAVFAC COMMAND	
CHIEF ARCH/ENR:	FIRE PROTECTION:
ARCHITECTURAL:	MECHANICAL:
CIVIL:	ELECTRICAL:
STRUCTURAL:	GEOTECHNICAL:
DRAWING SET INFORMATION	
NAVFAC DWG #	RANGE:
PDF FILE:	OF:



NAVFAC FACILITIES ENGINEERING COMMAND
Washington

**35% SUBMITTAL
JUNE 22, 2018**

ePROJECTS WORK ORDER No. 1583241
STATION PROJECT No. P-2822
NAVFAC CONTRACT No. N62470-17-D-5010
HKS | WSP PROJECT No.14037.000

© 2018 HKS | WSP

**BINDING TWO
ARCHITECTURAL**

1

2

3

4

5

D

C

B

A

D

C

B

A

BINDING INDEX

BINDING ONE

GENERAL INFORMATION
 CIVIL
 LANDSCAPE
 STRUCTURAL

BINDING TWO

GENERAL INFORMATION
 LIFE SAFETY
 ARCHITECTURAL

BINDING THREE

GENERAL INFORMATION
 ARCHITECTURAL EQUIPMENT

BINDING FOUR

GENERAL INFORMATION
 INTERIOR DESIGN & WAYFINDING

BINDING FIVE

GENERAL INFORMATION
 MECHANICAL

BINDING SIX

GENERAL INFORMATION
 PLUMBING

BINDING SEVEN

GENERAL INFORMATION
 ELECTRICAL

BINDING EIGHT

GENERAL INFORMATION
 TELECOMMUNICATIONS

BINDING NINE

GENERAL INFORMATION
 FIRE PROTECTION
 FIRE ALARM



HKS|WSP
 JOINT VENTURE

HKS WSP JV
 350 N SAINT PAUL ST
 SUITE 100
 DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/18

DES xxx | DRW xxx | CHK JKH

PMDM MrRLT

BRANCH MANAGER

CHIEF ENGINEER xxx

FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON DC
 NAVFAC
 WASHINGTON DC
 BETHESDA, MD
 USUHS EDUCATION & RESEARCH
 BUILDING ADDITION
 BINDING INDEX

SCALE: AS NOTED
 PROJECT NO: 1583241
 CONSTR. CONTR. NO.
 NAVFAC DRAWING NO.
 SHEET OF

GI0-010

DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

LEGEND

DRAWING SYMBOLS NOTE: NOT ALL SYMBOLS USED

ROOM NAME	ROOM NAME/NUMBER	001	MEDICAL EQUIPMENT
XXXXX			
X	EXISTING COLUMN CENTERLINE	CR-3	CRASH RAIL
X	COLUMN CENTERLINE	BG	BUMPER RAIL
X	ACCESSORY	HR	HAND RAIL
1	DEMOLITION NUMBERED NOTES	BL	BED LOCATOR
01	BUILDING WALL SECTION		WALL PROTECTION
A0.XX	ELEVATION		IV TRACK
A0.XX	DUMMY SECTION DETAIL		CUBICLE CURTAIN TRACK
01	SECTION DETAIL	A3	PARTITION TYPE WITH NO SOUND ATTENUATION
A0.XX	PLAN, BLOW-UP DETAIL	A3	PARTITION TYPE WITH SOUND ATTENUATION
	INTERIOR ELEVATION INDICATOR		BUILDING EXPANSION JOINT
	DIRECTION INDICATOR		CMU WALL
	EDGE OF SLAB		NEW WALL
	GASKETED DOOR		EXISTING WALL
			DEMO WALL
			FACE OF BUILDING
			CEILING HEIGHT
			MEDICAL GAS
			CEILING SERVICE PANEL

STRUCTURAL REQUIREMENTS

-WIND REQUIREMENTS:
WIND SPEED: 120 MPH
EXPOSURE: C
RISK CATEGORY: III

-SEISMIC REQUIREMENTS:
DESIGN ACCELERATION, Sds: 0.096G
IMPORTANCE FACTOR: 1.25
SEISMIC DESIGN CATEGORY: A

-SNOW REQUIREMENTS:
GROUND SNOW Pg: 25 PSF
ROOF SNOW Pf: XX PSF
IMPORTANCE FACTOR: 1.10

-LIVE LOAD REQUIREMENTS:
TYPICAL FLOOR: 80 PSF
LAB LOADING: 125 PSF UNREDUCIBLE
PLAZA LOADING: 250 PSF UNREDUCIBLE
CORRIDORS: 80 PSF
PARTITION: 15 PSF UNREDUCIBLE (IN ADDITION TO TYPICAL FLOOR LOADING)
HIGH DENSITY STORAGE: 250 PSF UNREDUCIBLE
ROOF LIVE LOAD: 20 PSF

BUILDING ENVELOPE ENERGY INFORMATION

BUILDING MATERIALS								
Building Elevation Vertical Surfaces	Opaque Wall		First Floor Glazing		Triple Low-e		Double Low-e	
	R Value =	Area %	R Value =	Area %	R Value =	Area %	R Value =	Area %
North	8,313	56%	2,151	14%	-	0%	4,461	30%
East	19,428	50%	6,275	16%	1,034	3%	12,394	31%
South	6,915	46%	2,151	14%	-	0%	6,100	40%
West	16,556	44%	6,275	16%	1,034	3%	13,846	37%

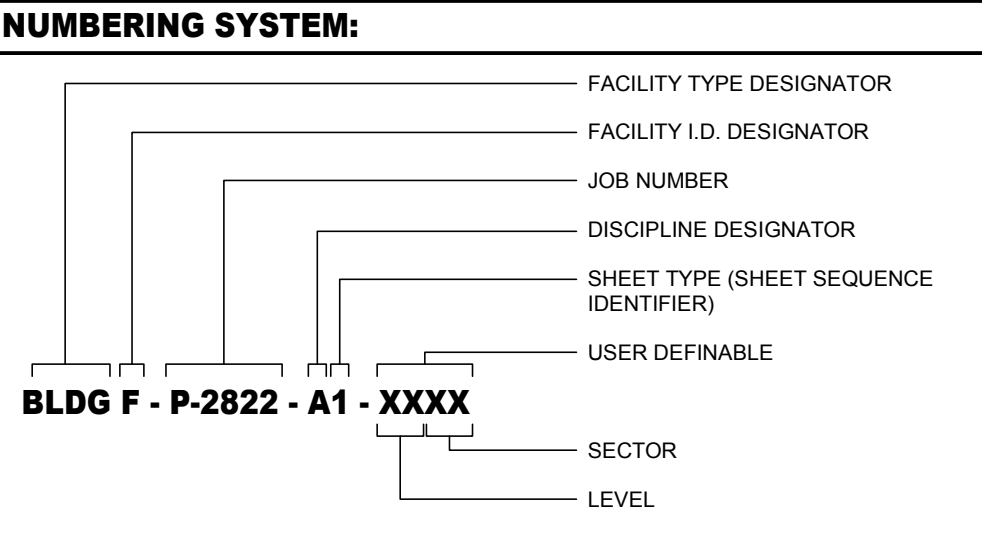
Building Elevation Horizontal Surfaces	Crawspace(Garage)		Slab on Grade		Roof	
	R Value =	Area %	R Value =	Area %	R Value =	Area %
	26.32	94%	20.00	6%	31.25	100%

ROOM TAGS

1/8" PLANS	TYPICAL	FOR ROOM NAME/CODE CHANGES
	ROOM NAME ROOM CODE ROOM ID PROG.SQ.FT./DESIGN SQ.FT.	NEW ROOM NAME (ORIG. ROOM NAME) NEW ROOM CODE (ORIG. ROOM CODE) ROOM ID PROG.SQ.FT./DESIGN SQ.FT.

1/4" PLANS	TYPICAL	FOR ROOM NAME/CODE CHANGES
	ROOM NAME ROOM CODE ROOM ID	NEW ROOM NAME (ORIG. ROOM NAME) NEW ROOM CODE (ORIG. ROOM CODE) ROOM ID

SHEET NAMING SYSTEM:



SCALE: AS NOTED SHEET SCALE

EPROJCT NO: 1583241 PROJECT NUMBER

CONSTR. CONTR. NO:

NAVFAC DRAWING NO:

SHEET OF SEQUENCE NUMBER

AE1-0101 SHEET NUMBER

FACILITY ID DESIGNATOR:

F - USUHS EDUCATION AND RESEARCH BUILDING

SHEET TYPE DESIGNATOR:

- 0 = GENERAL
- 1 = PLANS (HORIZONTAL VIEWS)
- 2 = ELEVATIONS (VERTICAL VIEWS)
- 3 = SECTIONS (SECTIONAL VIEWS AND WALL SECTIONS)
- 4 = SPECIALTY (PLANS, ELEVATIONS, STAIR SECTIONS, OR SECTIONS THAT ARE NOT DETAILS)
- 5 = MILLWORK DETAILS
- 6 = TYPICAL INFORMATION
- 7 = EXTERIOR ELEVATIONS
- 8 = SECTION DETAILS AND PLAN DETAILS
- 9 = 3D RENDERINGS

DISCIPLINE DESIGNATOR LEVEL 1:

- G = GENERAL
- C = CIVIL
- L = LANDSCAPE
- S = STRUCTURAL
- A = ARCHITECTURE
- P = PLUMBING
- M = MECHANICAL
- E = ELECTRICAL
- T = TELECOMMUNICATIONS/SECURITY/LOW VOLTAGE

DISCIPLINE DESIGNATOR LEVEL 2:

- G = GENERAL
- GI = GENERAL INFO/SUMMARY OF PROJECT
- GC = GENERAL CONTRACT
- CD = CIVIL DEMOLITION
- CG = CIVIL GRADING
- AC = OCCUPANCY PLAN
- AD = ARCHITECTURAL DEMOLITION
- AE = ARCHITECTURAL ELEMENTS
- AG = ARCHITECTURAL GRAPHICS
- AL = ARCHITECTURAL LIFE SAFETY
- MG = MECHANICAL GENERAL
- MS = MECHANICAL SITE
- PG = PLUMBING GENERAL
- ES = ELECTRICAL SITE

PROJECT DESCRIPTION

UNIFORMED SERVICES UNIVERSITY OF HEALTH SCIENCES EDUCATION & RESEARCH BUILDING ADDITION (USUHS)
NAVAL SUPPORT ACTIVITY BETHESDA, MARYLAND

LAB & RESEARCH FACILITY

- SIX-STORY LAB & RESEARCH FACILITY WITH TWO-STORY UNDERGROUND PARKING. BUILDING GROSS SQ. FT. APPROXIMATE: 476,900 SF - OVERALL HEIGHT: 135'
- OCCUPANCY: BUSINESS (EDUCATIONAL LABORATORY, CLASS D) STORAGE, OTHER THAN MERCANTILE (PARKING GARAGE) MIXED OCCUPANCY? YES / NO REQUIRED FIRE SEPARATION: NO
- TYPE OF CONSTRUCTION: TYPE IB
- BUILDING AREA IS BASED ON FLOOR PLAN TAKE-OFF. BUILDING AREA DOES NOT INCLUDE SOFFIT, CANOPY.

LEVEL	BUILDING GROSS SF	PARKING GROSS SF
P2	17,678	63,810
P1	485	61,922
G	91,642	
1	68,372	
2	72,855	
3	73,433	
4	73,560	
5	73,005	
PENTHOUSE	5,869	
TOTAL	476,900	125,732

GENERAL BUILDING LIMITATIONS

HIGH RISE? YES / NO

ITEM	ALLOWED / REQUIRED	ACTUAL / PROVIDED
HEIGHT OF BUILDING	180 FT.	105 FT.
NUMBER OF STORIES	12	5 + 2 (PARKING)
MAX SINGLE FLOOR AREA	X	91,642
TOTAL AREA OF BUILDING	UNLIMITED	476,900 SQ.FT.
PENTHOUSE	UNLIMITED	125,732 SQ.FT. (PARKING)
PARKING SPACES	STD: 243 ACC: 7 TTL: 250	STD: 250 ACC: 7 TTL: 257

FIRE PROTECTION SYSTEMS

- FIRE EXTINGUISHING SYSTEM: YES / NO
- STANDPIPE SYSTEM: YES / NO
- SMOKE CONTROL: YES / NO - STAIR PRESSURIZATION ONLY

FIRE RESISTIVE REQUIREMENTS OF BUILDING ELEMENTS

PRIMARY STRUCTURAL FRAME	2 HRS
EXTERIOR BEARING WALLS	2 HRS
FLOOR	2 HRS
ROOF	1 HRS

INTERIOR WALL/CEILING FINISHES

EXIT ENCLOSURES CLASS B
CORRIDORS AND ROOMS CLASS B

MEANS OF EGRESS

OCCUPANCY	TRAVEL DISTANCE	COMMON PATH	DEAD END CORRIDORS
BUSINESS	300 FT (SPRINKLERED)	100 FT (SPRINKLERED)	50 FT (SPRINKLERED)
STORAGE	400 FT (SPRINKLERED)	100 FT (SPRINKLERED)	100 FT (SPRINKLERED)

EGRESS WIDTH (INCHES/PERSON)
STAIRWAY: 0.3 (SPRINKLERED)*
OTHER COMPONENTS: 0.2 (SPRINKLERED)

*STAIRWAYS OVER 44-INCHES WIDE WILL FOLLOW LSC SECTION 7.3.3.2.

APPLICABLE CODES AND REGULATIONS

- UFC 1-200-01: GENERAL BUILDING REQUIREMENTS, JUNE 2016 EDITION
- UFC 1-200-02: HIGH PERFORMANCE & SUSTAINABLE BUILDING REQUIREMENTS, DECEMBER 2016 EDITION
- UFC 3-120-10: INTERIOR DESIGN, JUNE 2006 EDITION, REVISED JULY 2007
- UFC 3-220-01: GEOTECHNICAL INVESTIGATIONS, NOVEMBER 2012 EDITION
- UFC 3-260-01: AIRFIELD AND HELIPORT PLANNING AND DESIGN, NOVEMBER 2008
- UFC 3-440-05N: TROPICAL ENGINEERING, JANUARY 2004 EDITION, REVISED NOVEMBER 2006
- UFC 3-501-01: ELECTRICAL ENGINEERING, OCTOBER 2015
- UFC 3-540-01: ENGINE DRIVEN GENERATOR SYSTEMS FOR BACKUP POWER, AUGUST 2014 EDITION
- UFC 3-580-01: TELECOMMUNICATIONS INTERIOR INFRASTRUCTURE PLANNING AND DESIGN, JUNE 2016 EDITION, REVISED JUNE 2016
- UFC 3-600-01: FIRE PROTECTION ENGINEERING FOR FACILITIES, AUGUST 2016 EDITION, REVISED NOVEMBER 2016
- UFC 4-010-01: MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS, FEBRUARY 2012 EDITION, REVISED OCTOBER 2013
- UFC 4-023-03: DESIGN OF BUILDINGS TO RESIST, JULY 2009 EDITION, REVISED NOVEMBER 2016
- UFC 4-510-01: DESIGN MEDICAL MILITARY FACILITIES, MAY 2016 EDITION, REVISED MAY 2016
- FC 1-300-05N: NAVY AND MARINE CORPS DESIGN PROCEDURES, MAY 2014 EDITION, REVISED AUGUST 2015

DRAWING ABBREVIATIONS

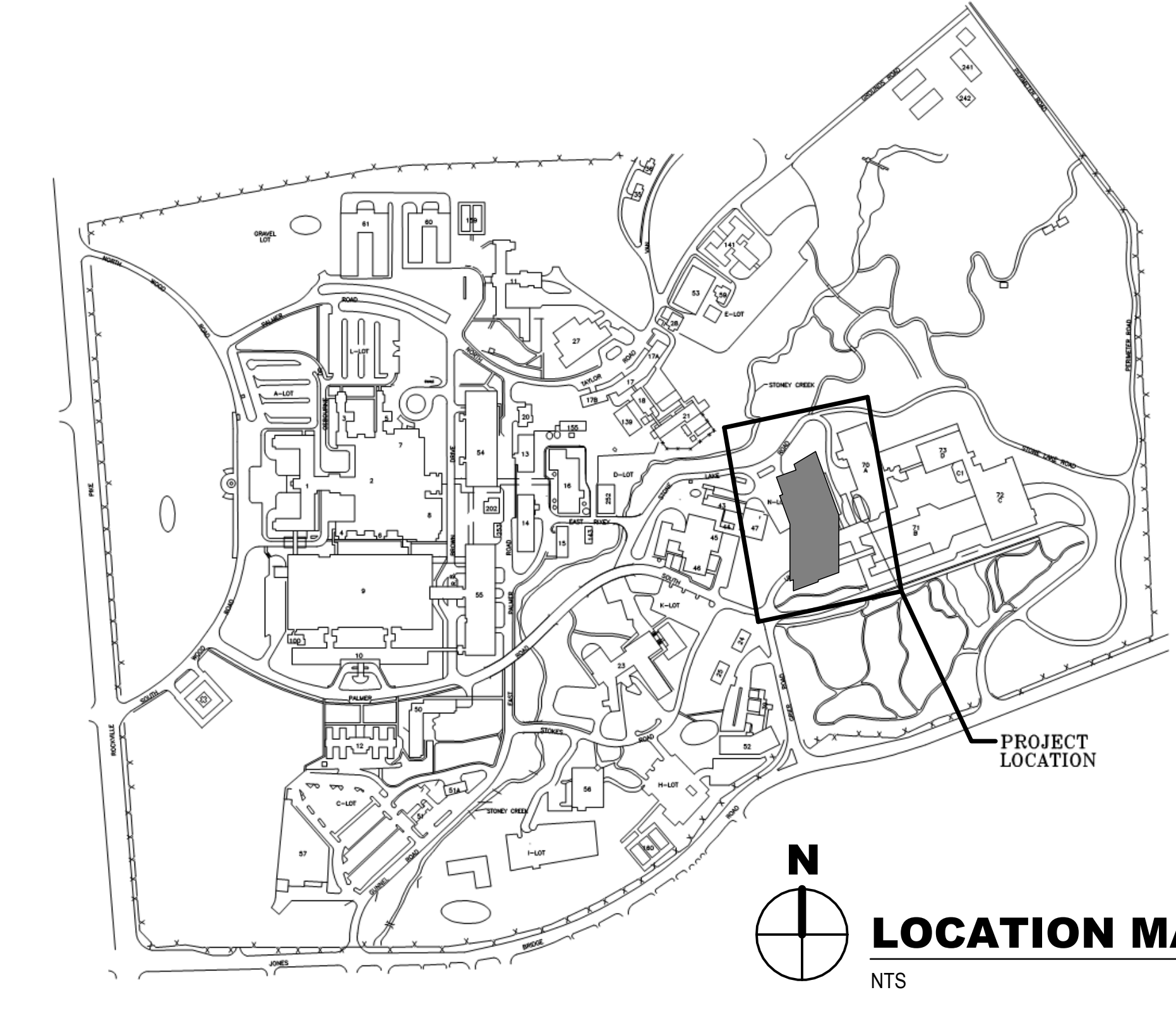
A	B	C	D
AB ANCHOR BOLT	B.M. BENCH MARK	C.C. COMPACT PARKING SPACE	DBA DEPTH
AD AREA DRAIN	BD BOARD	CCB CUBICK CURTAIN	DC DEFORMED BAR ANCHOR
AC AIR CONDITIONING	BETW BETWEEN	CCDR CARD READER	DET DETAIL
ACT ACOUSTICAL CEILING TILE	BF BACKFACE	CCONN CONNECTION	DF DECORATIVE FILM
ADD ADDENDUM	BFG BUMPER GUARD	CCONST CONSTRUCTION	DIA DIAMETER
ADDL ADDITIONAL	BL BED LOCATOR	CCOORD COORDINATE	DIAPH DIAPHRAGM
ADJ ADJACENT	BLG BUILDING LINE	CPE CAST IN PLACE	DIM DIMENSION
AFF AFF-FINISHED FLOOR	BLOD BLDG BLOCKING	CCOOR CORRIDOR	DJ DEFLECTION JOINT
AGGR AGGREGATE	BLKG BEAM	CCR COLD ROLLED	DL DEAD LOAD
AL ALUM	BM BEAM	CCR CRASH RAIL	DN DOWN
ALT ALTERNATE	BOT BOTTOM	CLG CEILING	DRG DRAWINGS
ANOD ANODIZED	BR BUMPER RAIL	CLGR CLEAR	DS DOWN SPOUT
APPROX APPROXIMATE	BRT BEARING	CCMU CONCRETE MASONRY UNIT	DWSG DRAWINGS
ARCH ARCHITECTURAL	BSMT BASEMENT	CCOL COLUMN	DWLS DOWELS
	BU ROD BACK-UP ROD	CCOMM COMMUNICATIONS	
	BUR BUILT-UP ROOF		
	BW BEARING WALL		

E	F	G	H	I
EA EACH	FD FLOOR DRAIN	GA GAUZE	HB HOSE BIB	IBC INTERNATIONAL BUILDING
EF EACH FACE	FDN FOUNDATION	GALV GALVANIZED	HDW HARDWARE	ID INSIDE DIAMETER
EPG ENTRANCE FLOOR GRILLE	FE FIRE EXTINGUISHER	GB GRADE BEAM	HDWD HARDWOOD	INSUL INSULATION
EFS EXTERIOR INSULATION AND FINISH SYSTEM	FEC FIRE EXTINGUISHER CABINET	GFRC GLASS-FIBER REINFORCED CONCRETE	HM HOLLOW METAL	INT INTERIOR
EJ EXPANSION JOINT	FHC FIRE HOSE CABINET	GI GALVANIZED IRON	HOR HORIZONTAL	
EL ELEVATION	FIB FIBERGLASS	GL GLASS	HP HIGH POINT	
ELEC ELECTRIC	FIN FINISH	GM GLAZED MASONRY UNIT	HR HORIZONTAL	
ELEV ELEVATOR	FLR FLOOR	GND GROUND	HS HEADED STUD	
EOS EDGE OF SLAB	FS FOOT	GR GRADE	HSKP HOUSEKEEPING	
EQ EQUIP	FT FOOT	GRG GLASS-REINFORCED GYPSUM BOARD	HT HEIGHT	
ESC ESCALATOR	FTG FLOOR TRANSITION		HW HAND WASH	
EW EACH WAY	FV FIELD VERIFY		HW HEAD OF WALL	
EWV ELECTRIC WATER COOLER	FVC FIRE VALVE CABINET			
EXIST EXISTING				
EXP BLT EXPANSION BOLT				
EXT EXTERIOR				

K	L	M	N	O
K KIPS (1000 LB)	L ANGLE	MAS MASONRY	NA NOT AVAILABLE	OA OVER ALL
KO KNOCK-OUT	LAV LAVATORY	MATL MATERIAL	NIC NOT IN CONTRACT	OC ON CENTER
KP KICKPLATE	LS LONG	MAX MAXIMUM	NOA NOTICE OF ACCEPTANCE BY FLORIDA GOVERNING AUTHORITY	OD OUTSIDE DIAMETER
KPD KEYPAD	LKB LOCKABLE	MECH MECHANICAL	NS NEAR SIDE	OD OVERFLOW DRAIN
KSF KIPS PER SQUARE FOOT	LL LIVE LOAD	MEMB MEMBRANE	NTS NOT TO SCALE	OFCI OWNER FURNISHED, CONTRACTOR INSTALLED
	LH LONG LEG HORIZONTAL	MECH AND PLUMBING	NWC NORMAL WEIGHT CONCRETE	OFOW OWNER FURNISHED, OWNER INSTALLED
	LLV LONG LEG VERTICAL	MFG MANUFACTURER		OH OPPOSITE HAND
	LOC LOCATION	MGO MEDICAL GAS OUTLET		OPNG OPPOSITE
	LP LIGHT	MIN MINIMUM		OSF OUTSIDE FACE
	LW LIGHTWEIGHT CONCRETE	MISC MISCELLANEOUS		
		MO MASONRY OPENING		
		MOB MEDICAL OFFICE BUILDING		
		MOD BIT MODIFIED BITUMEN		
		MOD MODIFIED		
		MSL MEAN SEA LEVEL		
		MTL METAL		

P	R	S
P LAM PLASTIC LAMINATE	R RAD RADIUS	SAB SOUND ATTENUATION
PC PRECAST CONCRETE	RAF RUBERIZED ASPHALT	STA STATION
PCF POUNDS PER CUBIC FOOT	FLASHING	STC STANDARD TRANSMISSION CLASS
PCP PORTLAND CEMENT	RAM RUBBERIZED ASPHALT	STD STANDARD
PENT PENTHOUSE	SECT SECTION	STIFF STIFFENER
PL PLASTER	SECT SECTION	STR STIRRUP
PLMB PLUMBING	SH SINGLE HUNG	STL STEEL
PLYWD PLYWOOD	SHWR SHOWER	STRUC STRUCTURAL
PP PUSH PLATE	SIM SIMILAR	SYM SYMMETRICAL
POL POLISHED	SO STRUCTURAL OPENING	SYS SYSTEM
PORT CEM PORTLAND CEMENT	SOG SLAB ON GRADE	
PR PAIR	SP STAND PIPE	
PSF POUNDS PER SQUARE FOOT	SPA SPACE, SPACING	
PSI POUNDS PER SQUARE INCH	SPEC SPECIFICATION	
PT POINT	SQ SQUARE	
PTD PAINTED	SS STAINLESS STEEL	
	SSF SOLID SURFACE	

T	U	V	W
T TREAD	UC UNDER COUNTER	VAR VARIES	W WITH
T&B TOP AND BOTTOM	UG UNDERGROUND	VCT VINYL COMPOSITION TILE	W/C WHEEL CHAIR
TC TOP OF CURB	UNO UNLESS NOTED OTHERWISE	VERT VERTICAL	W/O WITHOUT
TEL TELEPHONE		VEST VESTIBULE	W WIDTH
TEMP TEMPERATURE		VWC VINYL WALL COVERING	WP WATERPROOFING
THK THICK			WD WOOD
TLT TOILET			WF WIDE FLANGE
TO TOP OF			WL WIND LOAD
TOB TOP OF BEAM			WP WORK POINT
TOC TOP OF CONCRETE			WPO WORK POINT - POINT OF ORIGIN
TOF TOP OF FOOTING			WP1 WORK POINT - NUMBERED
TOP TOP OF PARAPET			WWF WELDED WIRE FABRIC
TOS TOP OF SLAB			
TOSTL TOP OF STEEL			
TRSH CH TRASH CHUTE			
TW TOP OF WALL			
TYP TYPICAL			



DATE: _____

DESCRIPTION: _____

SCALE: AS NOTED

EPROJCT NO: 1583241

CONSTR. CONTR. NO:

NAVFAC DRAWING NO:

SHEET OF

GI0-A10

DRAWING REVISION: 31 JANUARY 2017

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON, DC
NAVFAC
NAVAL SUPPORT ACTIVITY BETHESDA, MD
USUHS EDUCATION & RESEARCH BUILDING ADDITION
PROJECT INFORMATION

APPROVED: _____

FOR COMMANDER NAVFAC

ACTIVITY

SAFETY/TO DATE: 08/22/18

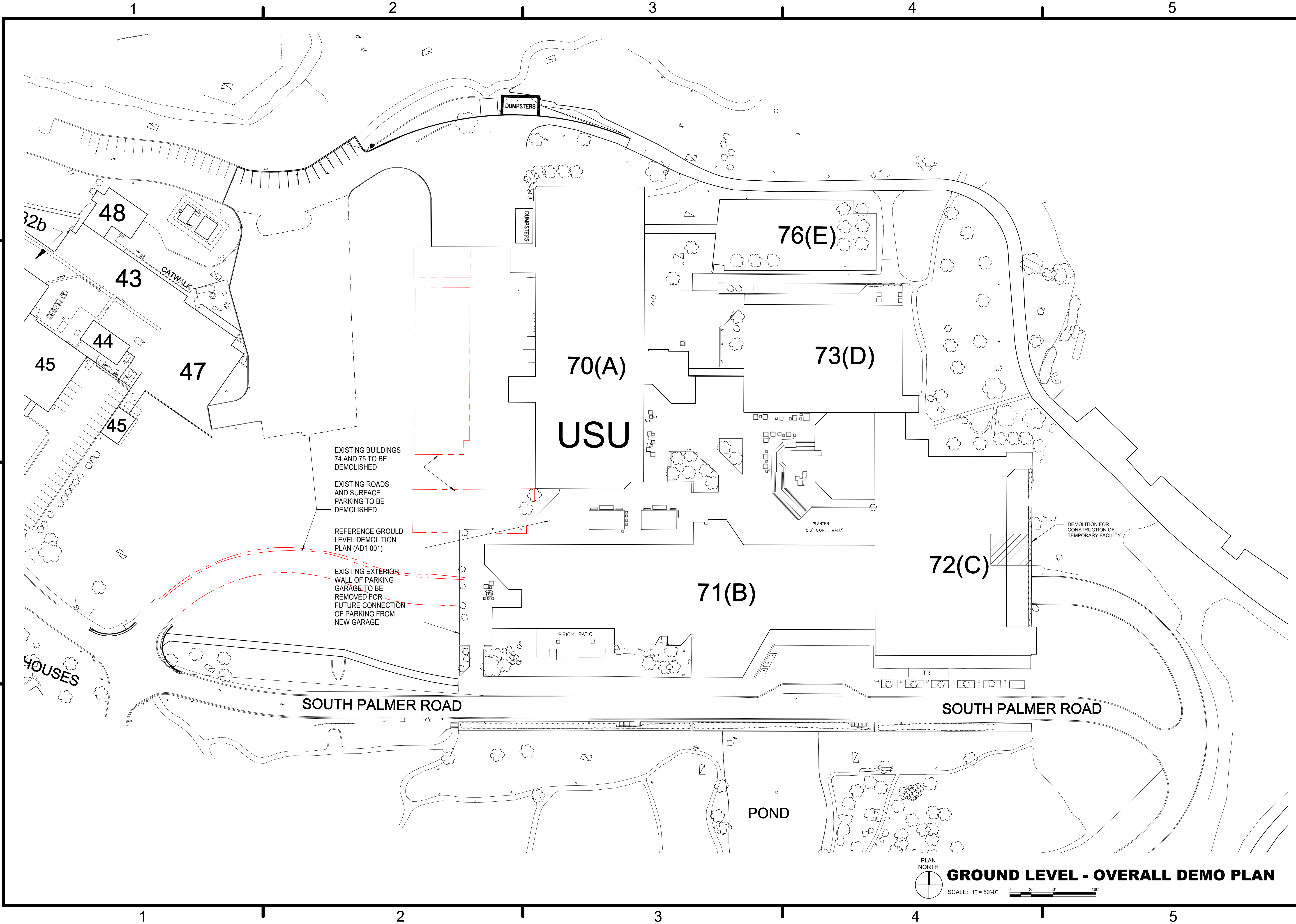
DES: XXX | DRAW: XXX | CHK: JKH

PMID: MR/LT

BRANCH MANAGER

CHIEF ENGINEER: XXX

FIRE PROTECTION



D
C
B
A

1 2 3 4 5

1 2 3 4 5

SYMBOL	DESCRIPTION	DATE	APP'R



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/18

DES XXX | DRW XXX | CHK JKH

PM/MT Mr/RLT

BRANCH MANAGER

CHIEF ENGINEER XXXX

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC
NAVFAC
NAVAL SUPPORT ACTIVITY BETHESDA, MD
USUHS EDUCATION & RESEARCH
BUILDING ADDITION
DEMOLITION PLAN

SCALE: AS NOTED
PROJECT NO: 1583241
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

AD1-101

DRAWING REVISION: 31 JANUARY 2017

PLAN NORTH
GROUND LEVEL - OVERALL DEMO PLAN
SCALE: 1" = 50'-0" 0 25 50 100'

1

2

3

4

5

D

C

B

A

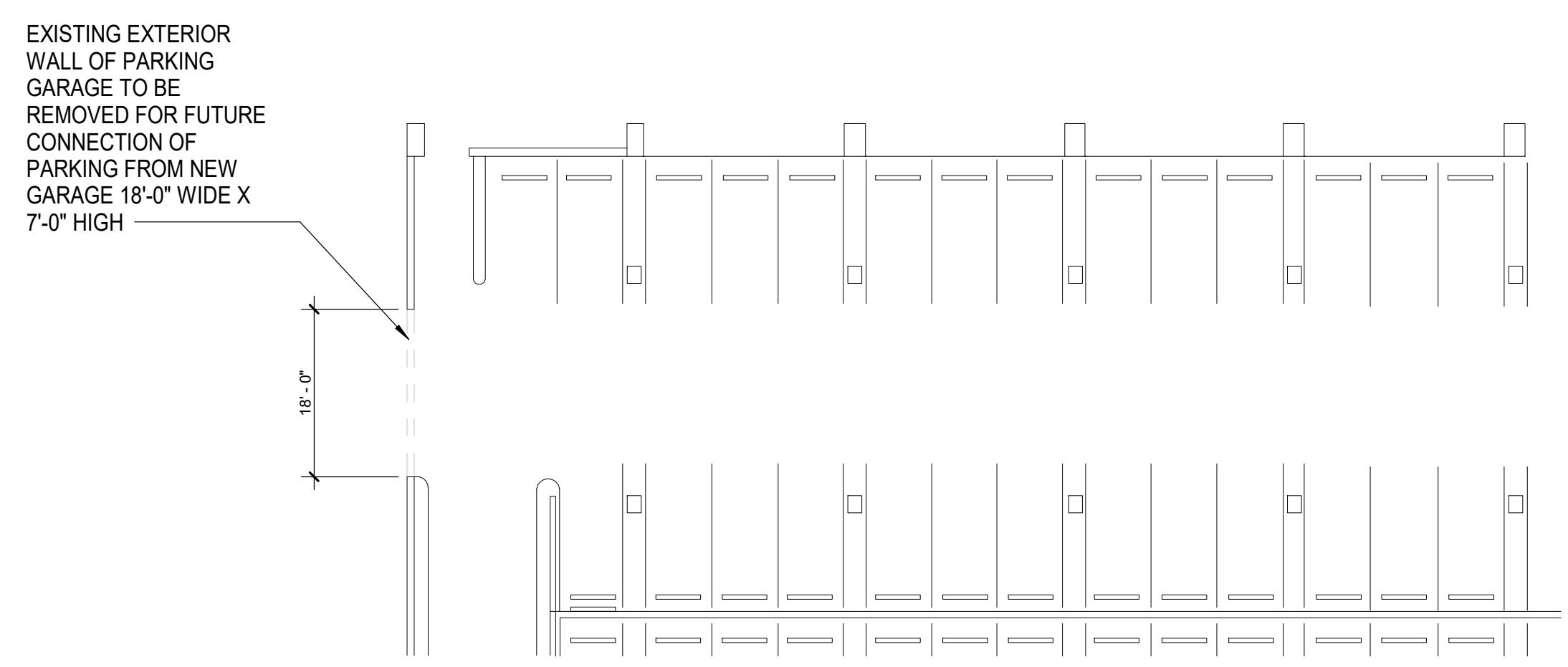
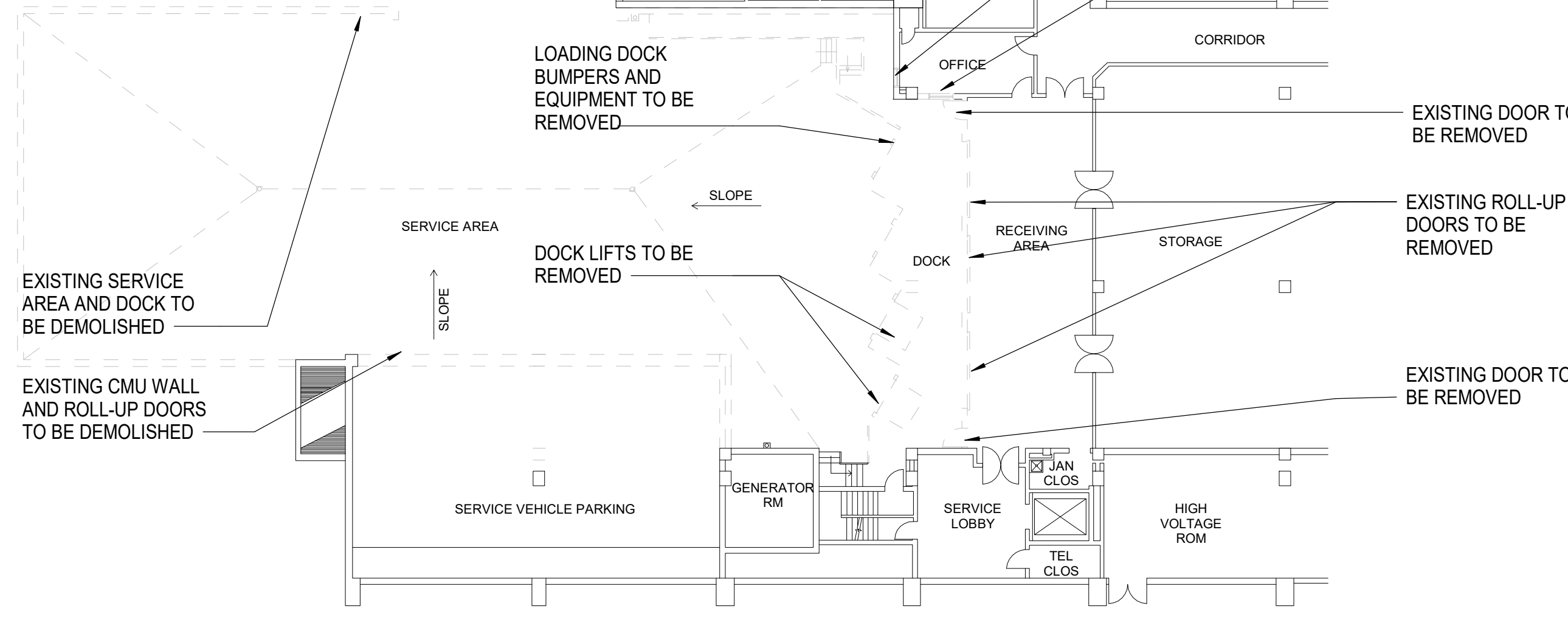
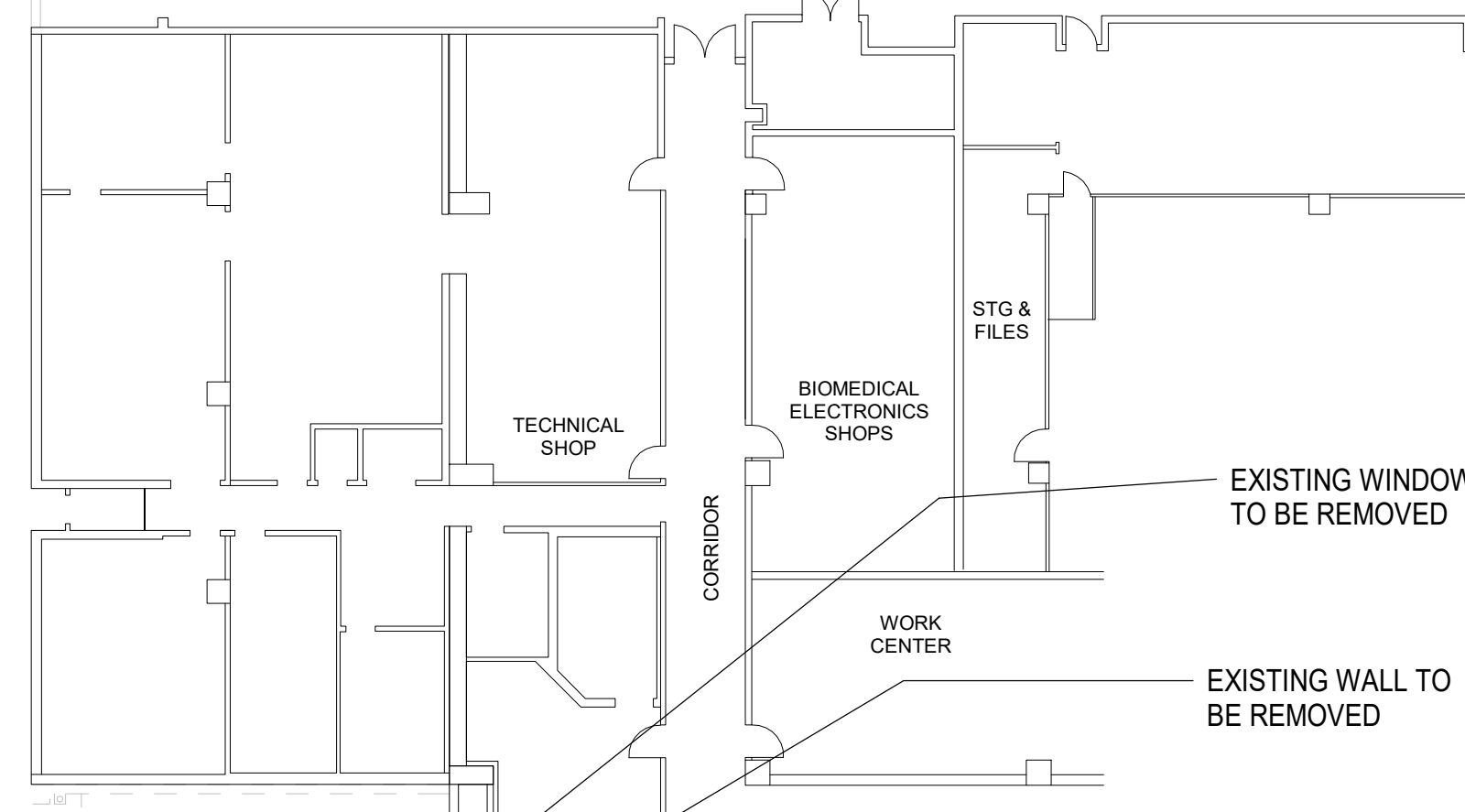
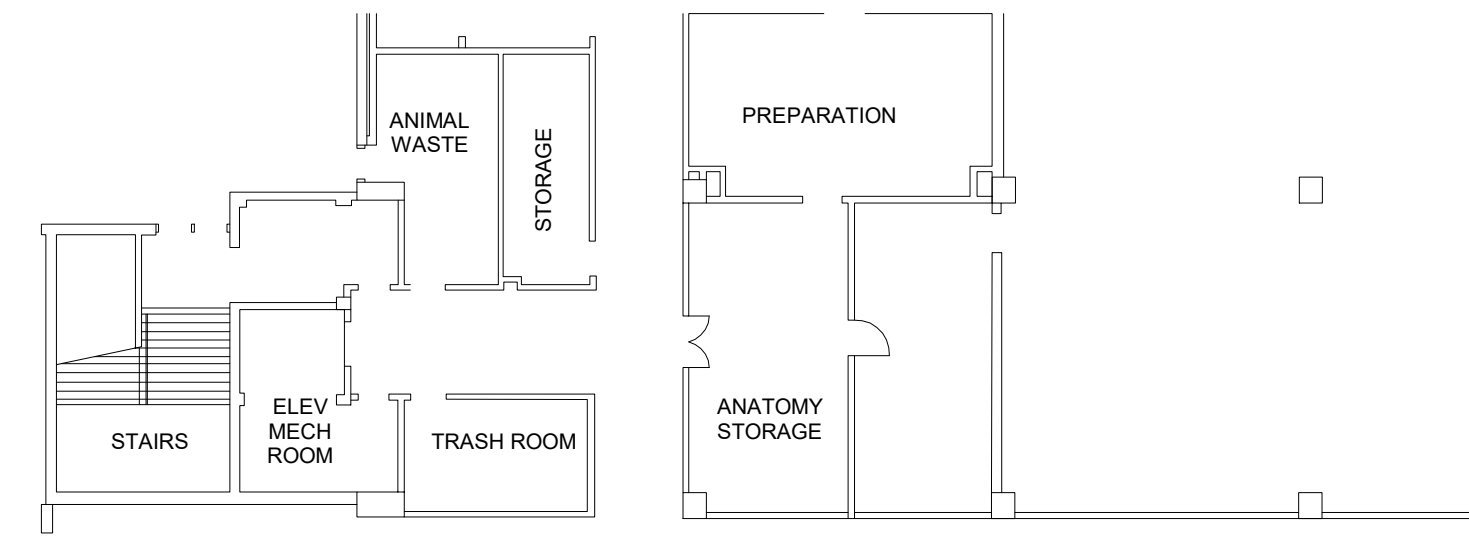
D

C

B

A

EXISTING WALLS TO BE DEMOLISHED TO ALLOW ACCESS FOR NEW ENTRY



EXISTING EXTERIOR WALL OF PARKING GARAGE TO BE REMOVED FOR FUTURE CONNECTION OF PARKING FROM NEW GARAGE 18'-0" WIDE X 7'-0" HIGH

EXISTING WINDOWS TO BE REMOVED

EXISTING WALL TO BE REMOVED

EXISTING DOOR TO BE REMOVED



EXISTING ROLL-UP DOORS TO BE REMOVED

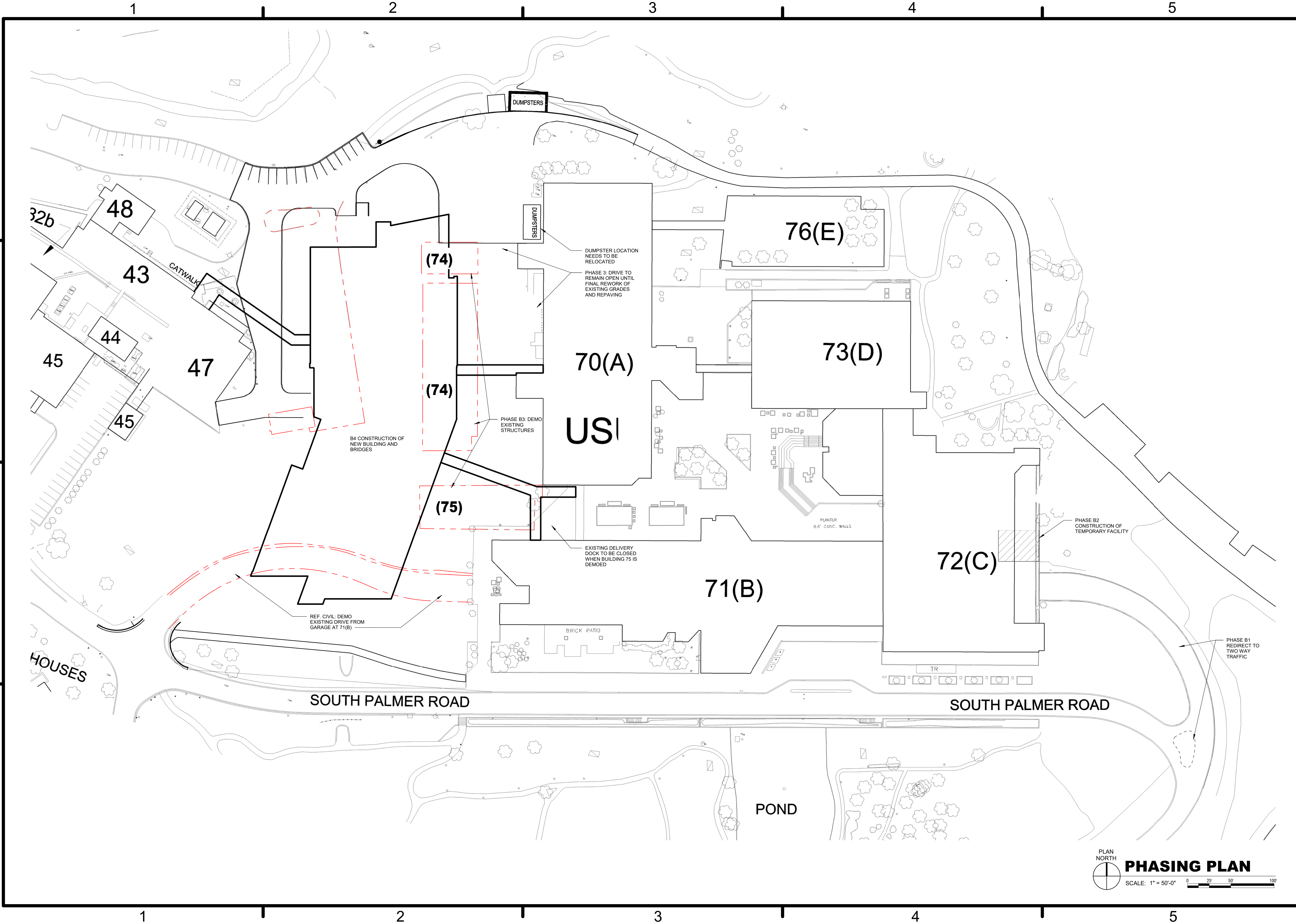
EXISTING DOOR TO BE REMOVED

GROUND LEVEL - EXISTING DOCK AND DRIVEWAY

A4

SCALE: 1/16" = 1'-0"

DATE	APPROVED
DESCRIPTION	SEAL
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE/REG
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES XXX	DRW XXX
CHK JKH	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION DEMOLITION PLAN	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
AD1-102	
DRAWING REVISION: 31 JANUARY 2017	



D
C
B
A

1 2 3 4 5

1 2 3 4 5

SYMBOL	DESCRIPTION	DATE	APP'R



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/18

DES XXX | DRW XXX | CHK JKH

PM/MT MRR/LKT

BRANCH MANAGER

CHIEF ENGINEER XXXX

FIRE PROTECTION

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON WASHINGTON DC

BETHESDA, MD

USUHS EDUCATION & RESEARCH

BUILDING ADDITION

PHASING PLAN

DEPARTMENT OF THE NAVY

NAVFAC

SCALE: AS NOTED

EPROJCT NO: 1583241

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

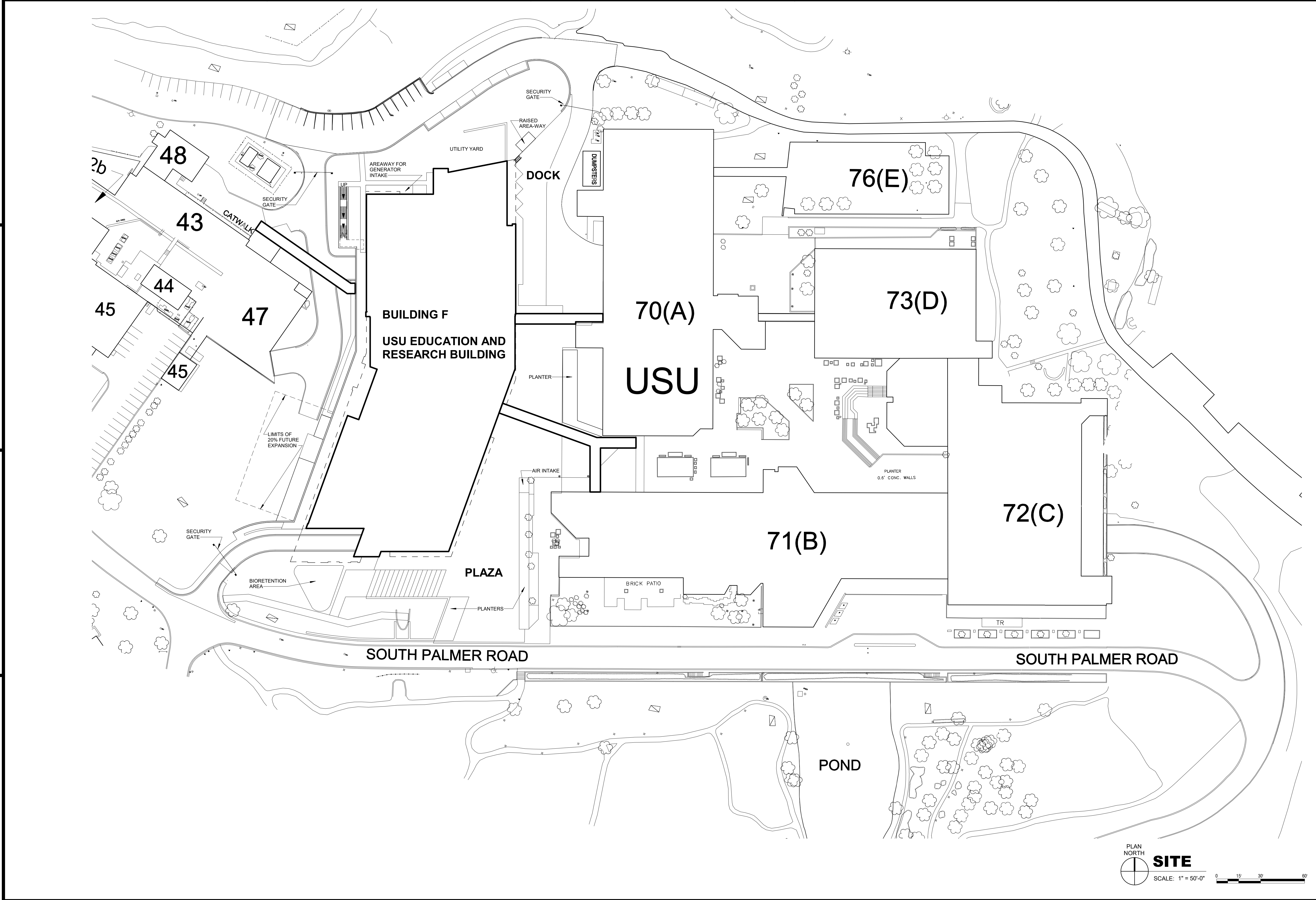
GC1-005



DRAWING REVISION: 31 JANUARY 2017

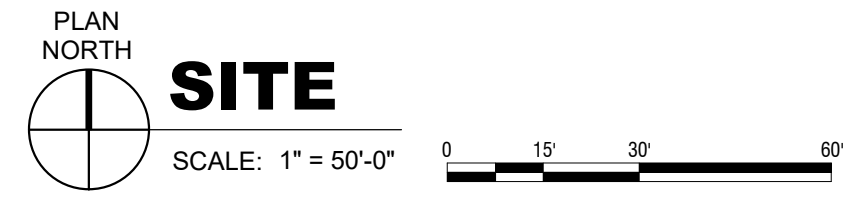
PLAN NORTH

PHASING PLAN

SCALE: 1" = 50'-0"



DATE	APPR.
DESCRIPTION	SWR
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES XXX	DRW XXX
CHK JKH	
PMO MRLKT	
BRANCH MANAGER	
CHIEF ENGINEER	XXX
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION ARCHITECTURAL SITE PLAN	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AS1-001 <small>DRAWING REVISION: 31 JANUARY 2017</small>	



1

2

3

4

5

D

C

B

A

D

C

B

A

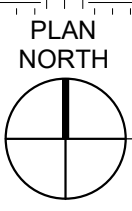


Department Legend

- Lab
- Lab Support
- Offices
- Office Support
- Clinical Sciences
- Graduate Education
- VP of Info. & Education
- VP of Finance & Admin
- Engineering Systems
- Vertical Circulation
- Building Support
- BSL 3
- Calculating...



PARKING SCHEDULE	
TYPE	NUMBER OF SPACES
P2 LEVEL	
ADA	3
STANDARD	103
	106
P1 LEVEL	
ADA	4
STANDARD	147 including ramp
	151
GRAND TOTAL	257

**AFRRI
47**



COMPOSITE FLOOR PLAN - P2 LEVEL PARKING

SCALE: 1" = 30'-0" 0 15' 30' 60'

	
<p>HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200</p>	
<p>APPROVED</p>	
<p>FOR COMMANDER NAVFAC</p>	
<p>ACTIVITY</p>	
<p>SATISFACTORY TO DATE 08/22/18</p>	
<p>DES XXX DRW XXX CHK JKH</p>	
<p>PM/DR MRL/KT</p>	
<p>BRANCH MANAGER</p>	
<p>CHIEF ENGINEER XXX</p>	
<p>FIRE PROTECTION</p>	
<p>NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, DC</p>	
<p>NAVFAC WASHINGTON, DC</p>	
<p>USUHS EDUCATION & RESEARCH BUILDING ADDITION</p>	
<p>COMPOSITE FLOOR PLAN - P2 LEVEL PARKING</p>	
<p>SCALE: AS NOTED</p>	
<p>EPROJCT NO: 1583241</p>	
<p>CONSTR. CONTR. NO.</p>	
<p>NAVFAC DRAWING NO.</p>	
<p>SHEET OF</p>	
<p>AC1-0P2</p>	
<p><small>DRAWING REVISION: 31 JANUARY 2017</small></p>	

1

2

3

4

5

D

C

B

A

D

C

B

A

AFRRI
47



Department Legend

- Lab
- Lab Support
- Offices
- Office Support
- Clinical Sciences
- Graduate Education
- VP of Info. & Education
- VP of Finance & Admin
- Engineering Systems
- Vertical Circulation
- Building Support
- BSL 3
- Calculating...

PARKING SCHEDULE	
TYPE	NUMBER OF SPACES
P2 LEVEL	
ADA	3
STANDARD	103
P1 LEVEL	
ADA	4
STANDARD	147 including ramp
	151
GRAND TOTAL	257



COMPOSITE FLOOR PLAN - P1 LEVEL PARKING

SCALE: 1" = 30'-0" 0 15' 30' 60'



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/18

DES XXX | DRW XXX | CHK JKH

PM/DM MRL/KT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON WASHINGTON, DC
NAVFAC
USUHS EDUCATION & RESEARCH
BUILDING ADDITION
BETHESDA, MD
COMPOSITE FLOOR PLAN - P1 LEVEL PARKING

SCALE: AS NOTED

EPROJCT NO: 1583241

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

AC1-0P1

DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

D

C

B

A

D

C

B

A

Department Legend

- Lab
- Lab Support
- Offices
- Office Support
- Clinical Sciences
- Graduate Education
- VP of Info. & Education
- VP of Finance & Admin
- Engineering Systems
- Vertical Circulation
- Building Support
- BSL 3
- Calculating...



PLAN NORTH
COMPOSITE FLOOR PLAN - PLAZA LEVEL 01
 SCALE: 1" = 30'-0" 0 15' 30' 60'

 NAVFAC	<small>DATE</small> <small>DESCRIPTION</small> <small>SYN</small>
 HKS WSP <small>JOINT VENTURE</small> <small>HKS WSP JV</small> <small>350 N SAINT PAUL ST</small> <small>SUITE 100</small> <small>DALLAS, TX 75201-4200</small>	
<small>APPROVED</small> <small>FOR COMMANDER NAVFAC</small> <small>ACTIVITY</small> <small>SATISFACTORY TO DATE 08/22/18</small> <small>DES XXX DRW XXX CHK JKH</small> <small>PMD MRLKT</small> <small>BRANCH MANAGER</small> <small>CHIEF ENGINEER XXX</small> <small>FIRE PROTECTION</small>	
<small>DEPARTMENT OF THE NAVY</small> <small>NAVAL FACILITIES ENGINEERING COMMAND</small> <small>WASHINGTON WASHINGTON DC</small> <small>NAVFAC</small> <small>NAVAL SUPPORT ACTIVITY</small> <small>BETHESDA, MD</small> USUHS EDUCATION & RESEARCH BUILDING ADDITION <small>COMPOSITE FLOOR PLAN - PLAZA LEVEL 01</small>	
<small>SCALE: AS NOTED</small> <small>EPROJECT NO: 1583241</small> <small>CONSTR. CONTR. NO.</small> <small>NAVFAC DRAWING NO.</small> <small>SHEET OF</small>	
AC1-010 <small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

D

C

B

A

D

C

B

A

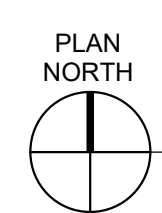
Department Legend

- Lab
- Lab Support
- Offices
- Office Support
- Clinical Sciences
- Graduate Education
- VP of Info. & Education
- VP of Finance & Admin
- Engineering Systems
- Vertical Circulation
- Building Support
- BSL 3
- Calculating...





70 (A)

71 (B)



COMPOSITE FLOOR PLAN - LEVEL 02

SCALE: 1" = 30'-0" 0 15' 30' 60'

	DATE
	APPR
	SYN
	DESCRIPTION
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE 08/22/18	
DES XXX DRW XXX CHK JKH	
PMDM MrRLT	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION COMPOSITE FLOOR PLAN - LEVEL 02	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
AC1-020	
DRAWING REVISION: 31 JANUARY 2017	

1

2

3

4

5

D

C

B

A

D

C

B

A

Department Legend

- Lab
- Lab Support
- Offices
- Office Support
- Clinical Sciences
- Graduate Education
- VP of Info. & Education
- VP of Finance & Admin
- Engineering Systems
- Vertical Circulation
- Building Support
- BSL 3
- Calculating...





70 (A)

71 (B)



COMPOSITE FLOOR PLAN - LEVEL 04

SCALE: 1" = 30'-0" 0 15' 30' 60'

	
<p>HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200</p>	
<p>APPROVED</p>	
<p>FOR COMMANDER NAVFAC</p>	
<p>ACTIVITY</p>	
<p>SATISFACTORY TO DATE 08/22/18</p>	
<p>DES: xxx DRW: xxx CHK: JKH</p>	
<p>PM: MrRLT</p>	
<p>BRANCH MANAGER</p>	
<p>CHIEF ENGINEER: xxx</p>	
<p>FIRE PROTECTION</p>	
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION COMPOSITE FLOOR PLAN - LEVEL 04</p>	
<p>SCALE: AS NOTED EPROJCT NO: 1583241 CONSTR. CONTR. NO. NAVFAC DRAWING NO. SHEET OF</p>	
<p>AC1-040 <small>DRAWING REVISION: 31 JANUARY 2017</small></p>	

1

2

3

4

5

D

C

B

A

D

C

B

A

Department Legend

- Lab
- Lab Support
- Offices
- Office Support
- Clinical Sciences
- Graduate Education
- VP of Info. & Education
- VP of Finance & Admin
- Engineering Systems
- Vertical Circulation
- Building Support
- BSL 3
- Calculating...





70 (A)

71 (B)



COMPOSITE FLOOR PLAN - LEVEL 05

SCALE: 1" = 30'-0" 0 15' 30' 60'

	DATE
	APP'R
	DESCRIPTION
	SYM
	
	
<small>HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200</small>	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE 08/22/18	
DES: xxx DRW: xxx CHK: JKH	
PMDM: Mr/LKT	
BRANCH MANAGER	
CHIEF ENGRNGR: xxx	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION COMPOSITE FLOOR PLAN - LEVEL 05	BETHESDA, MD
SCALE: AS NOTED EPROJCT NO: 1583241 CONSTR. CONTR. NO. NAVFAC DRAWING NO. SHEET OF	
AC1-050 <small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

D

C

B

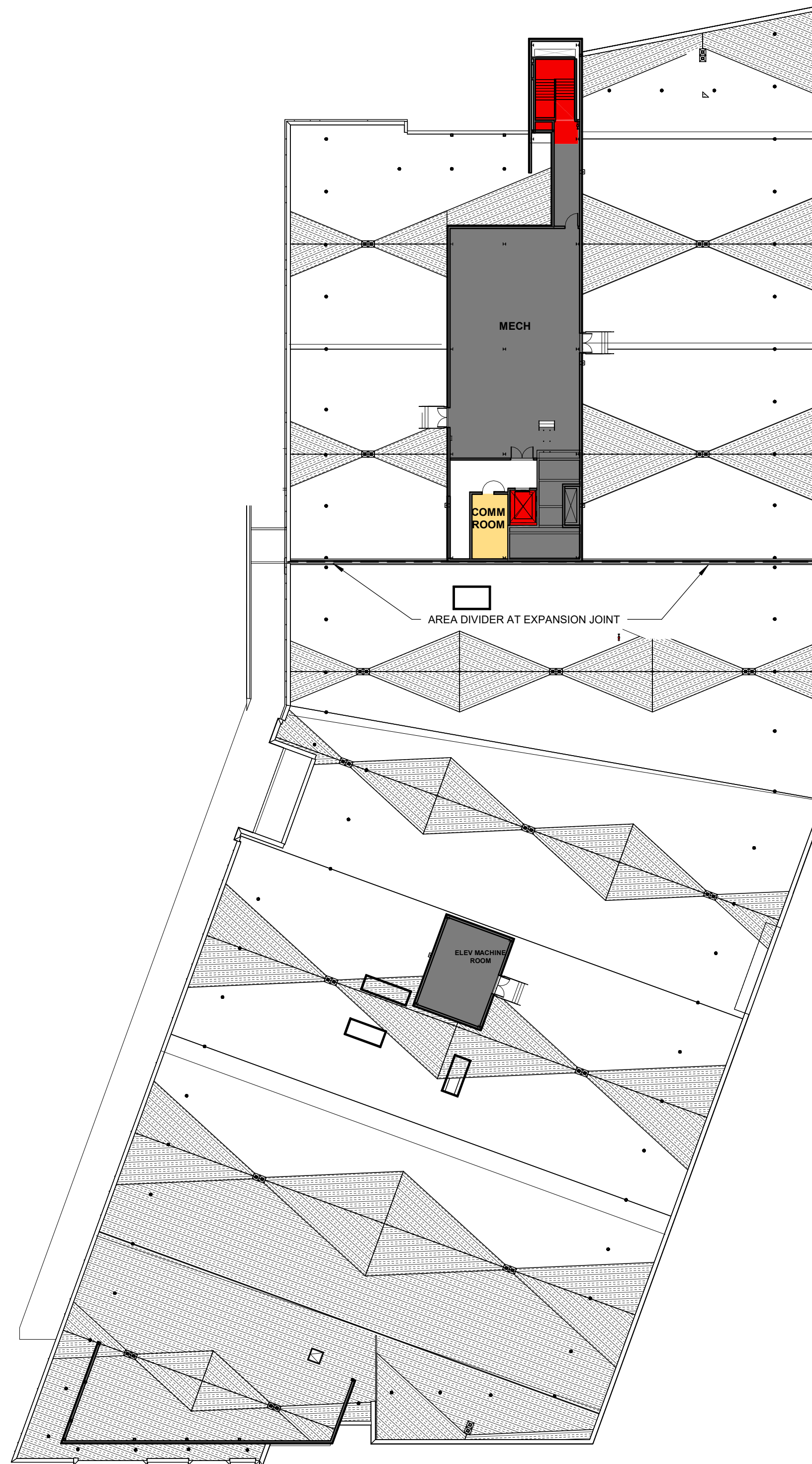
A

D

C

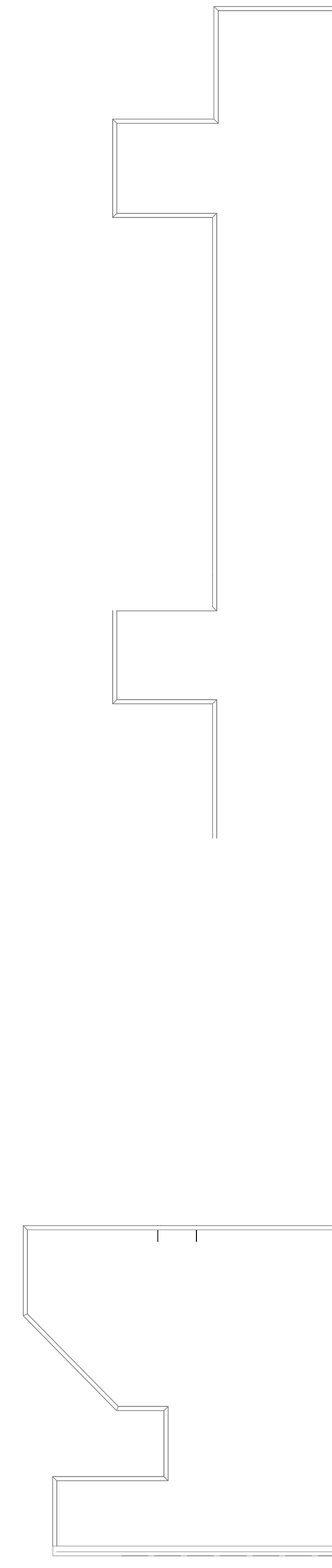
B

A



Department Legend

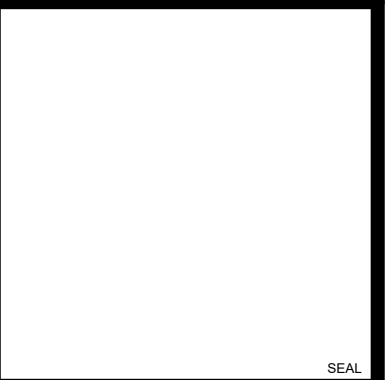
- Lab
- Lab Support
- Offices
- Office Support
- Clinical Sciences
- Graduate Education
- VP of Info. & Education
- VP of Finance & Admin
- Engineering Systems
- Vertical Circulation
- Building Support
- BSL 3
- Calculating...



COMPOSITE FLOOR PLAN - PENTHOUSE FLOOR PLAN

SCALE: 1" = 30'-0"
0
15'
30'
60'

REV	DESCRIPTION	DATE	APP'R



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED
FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/18

DES XXX | DRW XXX | CHK JKH

PMO MRL/KT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC
NAVFAC
NAVAL SUPPORT ACTIVITY BETHESDA, MD
USUHS EDUCATION & RESEARCH BUILDING ADDITION
COMPOSITE FLOOR PLAN - PENTHOUSE FLOOR PLAN

SCALE: AS NOTED
PROJECT NO: 1583241
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

AC1-060
DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

D

C

B

A

D

C

B

A

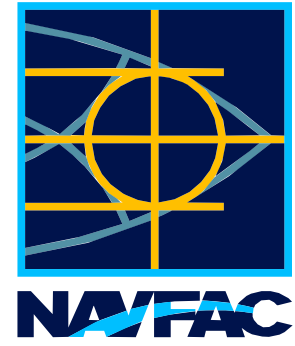


PLAN
NORTH

COMPOSITE FLOOR PLAN - OVERALL ROOF PLAN

SCALE: 1" = 30'-0" 0 15' 30' 60'

REV	DESCRIPTION	DATE	APP'R



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/18

DES xxx | DRW xxx | CHK JKH

PM/DR MRR/LKT

BRANCH MANAGER

CHIEF ENGINEER xxx

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC
NAVFAC
NAVAL SUPPORT ACTIVITY BETHESDA, MD
**USUHS EDUCATION & RESEARCH
BUILDING ADDITION**
COMPOSITE FLOOR PLAN - OVERALL ROOF PLAN

SCALE: AS NOTED

PROJECT NO: 1583241

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET OF

AC1-070

DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

1

2

3

4

5

D

C

B

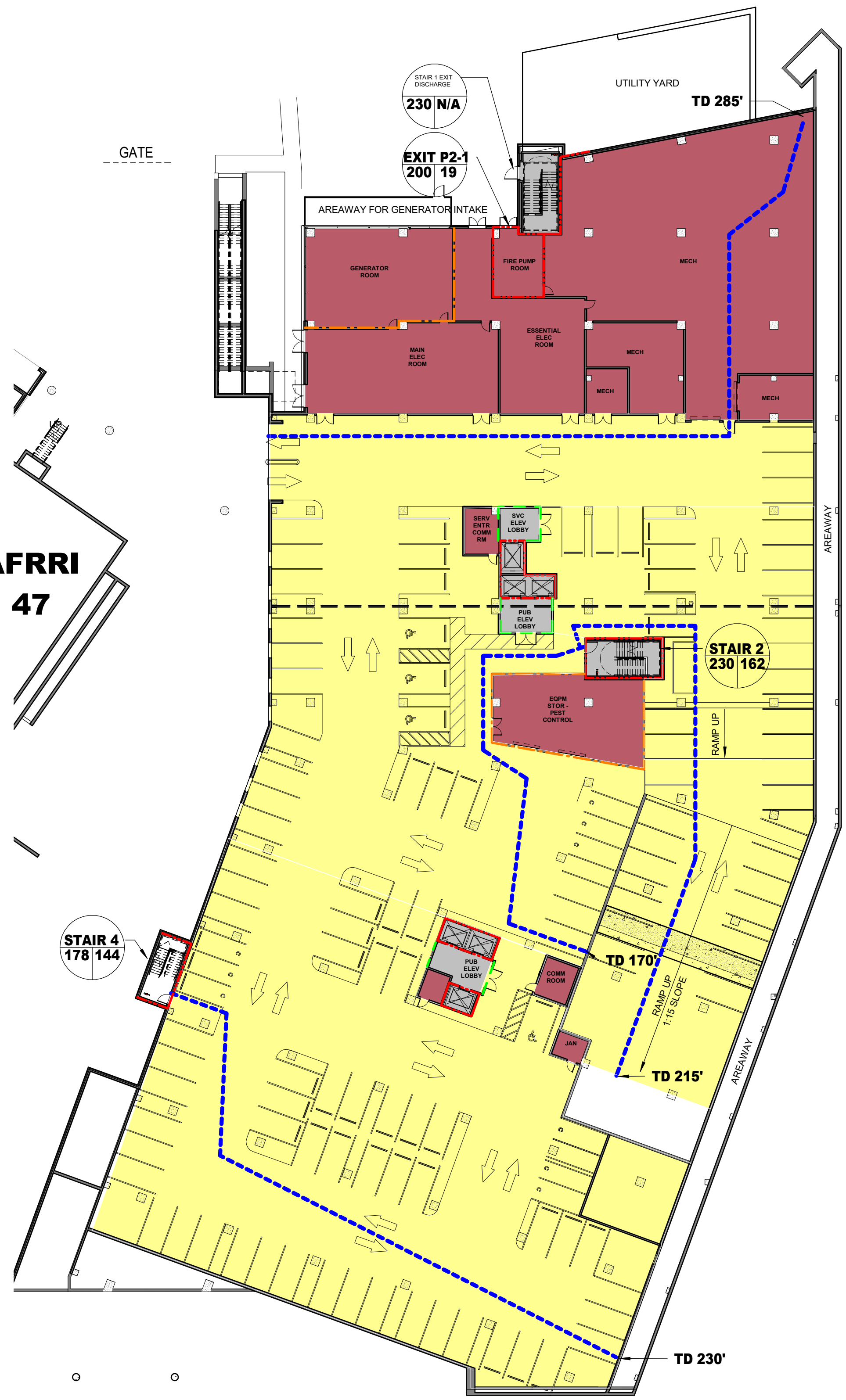
A

D

C

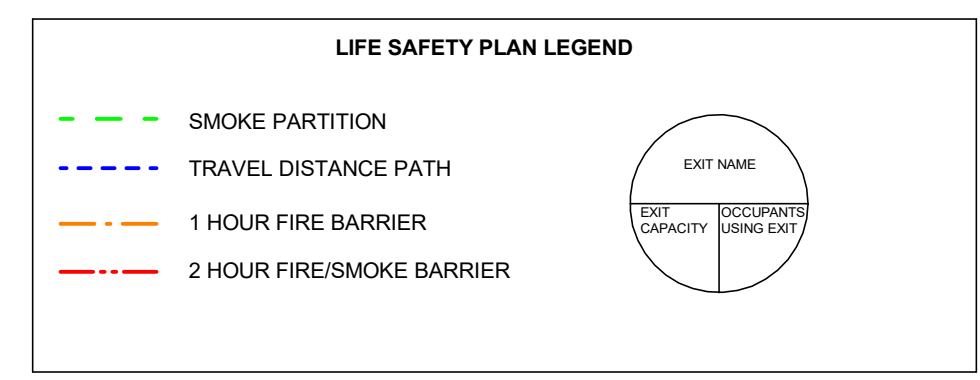
B

A



OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business @ 1 occupant per 150 sq. ft. (North)
- Business @ 1 occupant per 150 sq. ft. (South)
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Parking @ 1 occupant per 200 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.



P2 LEVEL PARKING OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
BUSINESS	1437 SQ. FT.	1/150	10
PARKING	63655 SQ. FT.	1/200	319
STORAGE	16119 SQ. FT.	1/500	33
TOTAL	81211 SQ. FT.		362

EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 2	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
STAIR 4	42(-2)	51	DOOR	0.2	LSC 7.3.3.2	178
EXIT - P2-1	42(-2)	N/A	DOOR	0.2	N/A	200
TOTAL						838

EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 1 EXIT DISC	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
TOTAL						230

	DATE
	APP'R
	DESCRIPTION
	SYN

HKS WSP JV
 350 N SAINT PAUL ST
 SUITE 100
 DALLAS, TX 75201-4200

APPROVED
 FOR COMMANDER NAVFAC
 ACTIVITY
 SATISFACTORY TO DATE 08/22/18
 DES xxx | DRW xxx | CHK JKH
 PMDM Mr/LKT
 BRANCH MANAGER
 CHIEF ENGINEER xxx
 FIRE PROTECTION

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON WASHINGTON DC

NAVFAC
 USUHS EDUCATION & RESEARCH
 BUILDING ADDITION

BETHESDA, MD
 LIFE SAFETY PLAN - P2 LEVEL PARKING

SCALE: AS NOTED
 EPROJECT NO: 1583241
 CONSTR. CONTR. NO.
 NAVFAC DRAWING NO.
 SHEET OF

AL1-0P2

DRAWING REVISION: 31 JANUARY 2017

PLAN NORTH
LIFE SAFETY PLAN - P2 LEVEL PARKING
 SCALE: 1" = 30'-0"

1

2

3

4

5

D

C

B

A

D

C

B

A

AFRRI
47

STAIR 4
178 166

STAIR 2
230 200

71 (B)

TD 163'

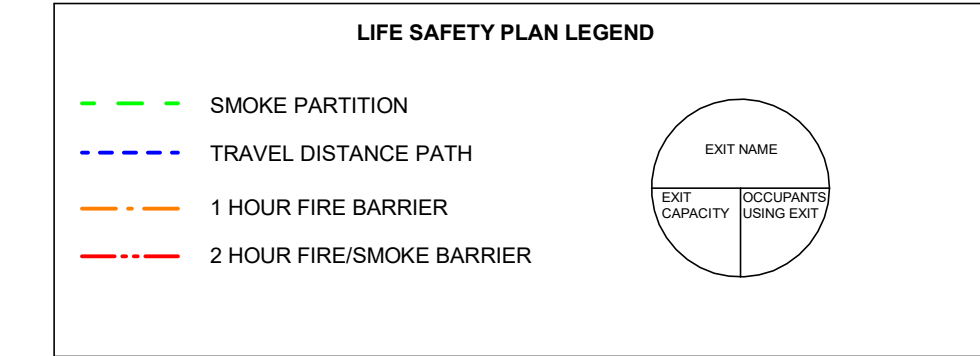
TD 220'

RAMP UP
1:10 SLOPE

OPEN TO BELOW

OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business @ 1 occupant per 150 sq. ft. (North)
- Business @ 1 occupant per 150 sq. ft. (South)
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Parking @ 1 occupant per 200 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.



P2 LEVEL PARKING OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
BUSINESS	1414 SQ. FT.	1/150	10
PARKING	64190 SQ. FT.	1/200	321
STORAGE	170 SQ. FT.	1/500	1
TOTAL	65774 SQ. FT.		325

EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 2	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
STAIR 4	42(-2)	51	DOOR	0.2	LSC 7.3.3.2	178
					TOTAL	408

PLAN NORTH
LIFE SAFETY PLAN - P1 LEVEL PARKING
 SCALE: 1" = 30'-0" 0 15 30 60'

DATE: _____
 DRAWING NO.: _____
 SHEET: _____ OF _____

HKS | WSP
 JOINT VENTURE

HKS WSP JV
 350 N SAINT PAUL ST
 SUITE 100
 DALLAS, TX 75201-4200

APPROVED: _____
 FOR COMMANDER NAVFAC

ACTIVITY: _____

SATISFACTORY TO: _____ DATE: 08/22/18

DES: xxx | DRW: xxx | CHK: JKH
 PMDM: Mr/LKT
 BRANCH MANAGER: _____
 CHIEF ENGINEER: xxx
 FIRE PROTECTION: _____

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON WASHINGTON DC
 NAVFAC
 NAVAL SUPPORT ACTIVITY
 USUHS EDUCATION & RESEARCH
 BUILDING ADDITION
 LIFE SAFETY PLAN - P1 LEVEL PARKING

SCALE: AS NOTED
 PROJECT NO: 1583241
 CONSTR. CONTR. NO.: _____
 NAVFAC DRAWING NO.: _____
 SHEET: _____ OF _____

AL1-0P1
DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

D

C

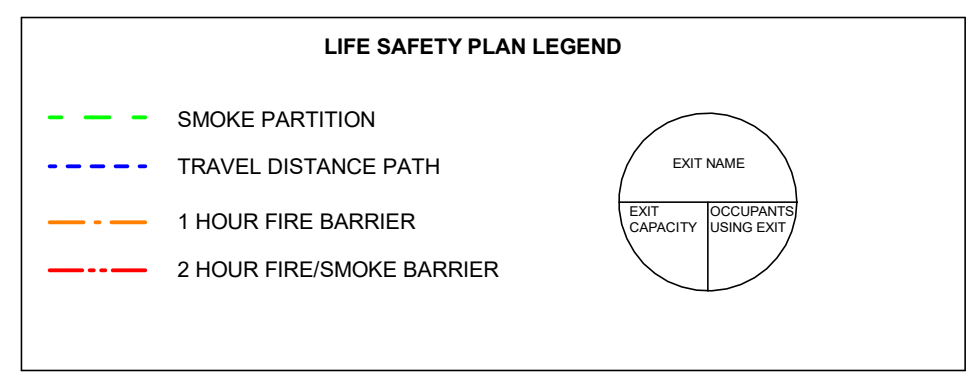
B

A



OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business @ 1 occupant per 150 sq. ft. (North)
- Business @ 1 occupant per 150 sq. ft. (South)
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Parking @ 1 occupant per 200 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.




NORTH FLOOR OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY NORTH FLOOR	1218 SQ. FT.	1/15	82
BUSINESS NORTH FLOOR	51993 SQ. FT.	1/150	347
STORAGE NORTH FLOOR	13748 SQ. FT.	1/500	28
TOTAL	66959 SQ. FT.		457

SOUTH FLOOR OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY SOUTH FLOOR	477 SQ. FT.	1/15	32
BUSINESS SOUTH FLOOR	18170 SQ. FT.	1/150	122
STORAGE SOUTH FLOOR	6025 SQ. FT.	1/500	13
TOTAL	24672 SQ. FT.		167

NORTH FLOOR EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 1	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
STAIR 2	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
EXIT G-1	84(-4)	N/A	DOOR	0.2	N/A	400
HE G-1	42(-2)	N/A	DOOR	0.2	N/A	200
HE G-3	42(-2)	N/A	DOOR	0.2	N/A	200
TOTAL						1260

SOUTH FLOOR EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 4	48(-2)	63	DOOR	0.2	LSC 7.3.3.2	230
EXIT G-2	84(-4)	N/A	DOOR	0.2	N/A	400
HE G-2	42(-2)	N/A	DOOR	0.2	N/A	200
TOTAL						630



HKS WSP JV
JOINT VENTURE

HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED: _____

FOR COMMANDER NAVFAC

ACTIVITY: _____

SATISFACTORY TO: _____ DATE: 08/22/18

DES: XXX | DRW: XXX | CHK: JKH

PM/DR: MRR/LKT

BRANCH MANAGER: _____

CHIEF ENGINEER: XXXX

FIRE PROTECTION: _____

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON WASHINGTON, DC

NAVFAC
BETHESDA, MD

USUHS EDUCATION & RESEARCH
BUILDING ADDITION

LIFE SAFETY PLAN - GROUND LEVEL

SCALE: AS NOTED
EPROJCT NO: 1583241
CONSTR. CONTR. NO. _____

NAVFAC DRAWING NO. _____

SHEET _____ OF _____

AL1-00G

DRAWING REVISION: 31 JANUARY 2017

PLAN NORTH
LIFE SAFETY PLAN - GROUND LEVEL
SCALE: 1" = 30'-0"

1

2

3

4

5

D

C

B

A

D

C

B

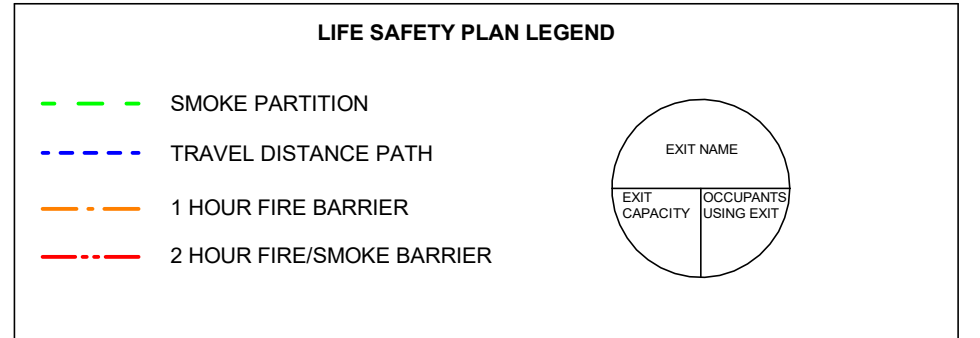
A



PLAN NORTH
LIFE SAFETY PLAN - PLAZA LEVEL 01
 SCALE: 1" = 30'-0" 0 15 30 60

OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business @ 1 occupant per 150 sq. ft. (North)
- Business @ 1 occupant per 150 sq. ft. (South)
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Parking @ 1 occupant per 200 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.



NORTH FLOOR OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY NORTH FLOOR	7444 SQ. FT.	1/15	497
BUSINESS NORTH FLOOR	27487 SQ. FT.	1/150	184
EDUCATION NORTH FLOOR	11239 SQ. FT.	1/20	562
STORAGE NORTH FLOOR	3638 SQ. FT.	1/500	8
TOTAL	49808 SQ. FT.		1251

SOUTH FLOOR OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY SOUTH FLOOR	1508 SQ. FT.	1/15	101
BUSINESS SOUTH FLOOR	6026 SQ. FT.	1/150	41
EDUCATION SOUTH FLOOR	10165 SQ. FT.	1/20	509
STORAGE SOUTH FLOOR	703 SQ. FT.	1/500	2
TOTAL	18402 SQ. FT.		653

NORTH FLOOR EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 1	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
EXIT 1-3	168(-8)	N/A	DOOR	0.2	N/A	800
EXIT 1-4	84(-4)	N/A	DOOR	0.2	N/A	400
EXIT 1-5	84(-4)	N/A	DOOR	0.2	N/A	400
EXIT 1-6	42(-2)	N/A	DOOR	0.2	N/A	200
EXIT 1-7	42(-2)	N/A	DOOR	0.2	N/A	200
HE-1-1	42(-2)	N/A	DOOR	0.2	N/A	200
HE-1-2	42(-2)	N/A	DOOR	0.2	N/A	200
TOTAL						2660

SOUTH FLOOR EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
EXIT 1-1	42(-2)	N/A	DOOR	0.2	N/A	200
EXIT 1-2	42(-2)	N/A	DOOR	0.2	N/A	200
HE-1-3	42(-2)	N/A	DOOR	0.2	N/A	200
HE-1-4	42(-2)	N/A	DOOR	0.2	N/A	200
TOTAL						800

EXIT DISCHARGE NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 2	48(-2)	N/A	DOOR	0.2	N/A	230
STAIR 3	96(-4)	N/A	DOOR	0.2	N/A	460
NORTH EXT. DISC.	N/A	96	N/A	N/A	N/A	385
SOUTH EXT. DISC.	N/A	96	N/A	N/A	N/A	261
TOTAL						1336

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____

HKS WSP JV
 350 N. SAINT PAUL ST.
 SUITE 100
 DALLAS, TX 75201-4200

APPROVED: _____
 FOR COMMANDER NAVFAC: _____
 ACTIVITY: _____
 SATISFACTORY TO DATE: 08/22/18
 DES: xxx | DRW: xxx | CHK: JKH |
 PMD: Mr/LKT
 BRANCH MANAGER: _____
 CHIEF ENGINEER: xxx
 FIRE PROTECTION: _____

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC
 NAVFAC
 NAVAL SUPPORT ACTIVITY
USUHS EDUCATION & RESEARCH BUILDING ADDITION
 LIFE SAFETY PLAN - PLAZA LEVEL 01

SCALE: AS NOTED
 EPROJCT NO: 1583241
 CONSTR. CONTR. NO. _____
 NAVFAC DRAWING NO. _____
 SHEET OF _____
AL1-001
DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

D

C

B

A

D

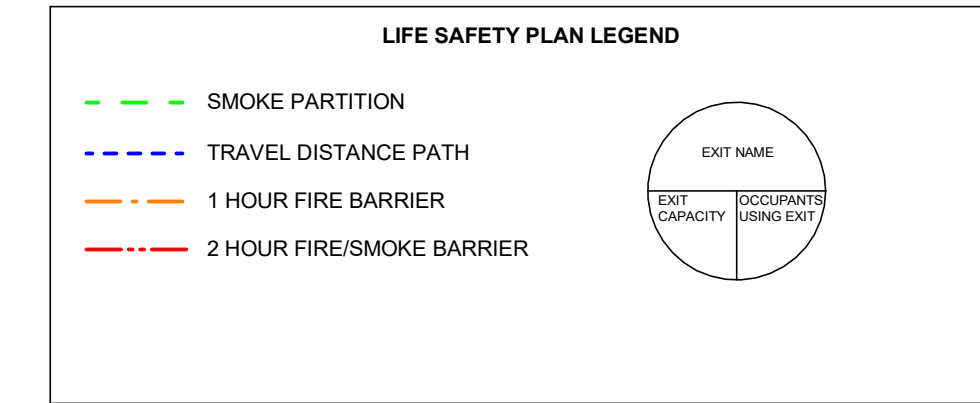
C

B

A

OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business (North) @ 1 occupant per 150 sq. ft.
- Business (South) @ 1 occupant per 150 sq. ft.
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.



NORTH FLOOR OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY NORTH FLOOR	2097 SQ. FT.	1/15	140
BUSINESS NORTH FLOOR	42459 SQ. FT.	1/150	284
CONCENTRATED BUSINESS	2380 SQ. FT.	1/30	80
EDUCATION NORTH FLOOR	8111 SQ. FT.	1/20	405
STORAGE NORTH FLOOR	6920 SQ. FT.	1/500	14
TOTAL	61967 SQ. FT.		923

SOUTH FLOOR OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY SOUTH FLOOR	458 SQ. FT.	1/15	31
BUSINESS SOUTH FLOOR	2769 SQ. FT.	1/150	19
EDUCATION NORTH FLOOR	7983 SQ. FT.	1/20	400
STORAGE NORTH FLOOR	935 SQ. FT.	1/500	3
TOTAL	12145 SQ. FT.		453

NORTH FLOOR EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 1	54(-2)	72	DOOR	0.2	LSC 7.3.3.2	260
STAIR 2	54(-2)	72	DOOR	0.2	LSC 7.3.3.2	260
HE-2-1	42(-2)	N/A	DOOR	0.2	N/A	200
HE-2-3	42(-2)	N/A	DOOR	0.2	N/A	200
			TOTAL			920

SOUTH FLOOR EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 3	54(-2)	72	DOOR	0.2	LSC 7.3.3.2	260
HE-2-2	42(-2)	N/A	DOOR	0.2	N/A	200
			TOTAL			460



AFRRI 47

70 (A)

71 (B)

PLAN NORTH

LIFE SAFETY PLAN - LEVEL 02

SCALE: 1" = 30'-0"

DATE: _____

DESCRIPTION: _____

SYMBOL: _____

HKS | WSP
JOINT VENTURE

HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

APPROVED: _____

FOR COMMANDER NAVFAC

ACTIVITY: _____

SATISFACTORY TO: _____ DATE: 08/22/2018

DES: xxx | DRW: xxx | CHK: JKH

PM/DR: Mr/Lt

BRANCH MANAGER: _____

CHIEF ENGINEER: xxx

FIRE PROTECTION: _____

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, WASHINGTON DC

NAVFAC
NAVAL SUPPORT ACTIVITY
BETHESDA, MD

**USUHS EDUCATION & RESEARCH
BUILDING ADDITION**

LIFE SAFETY PLAN - LEVEL 02

SCALE: AS NOTED

PROJECT NO: 1583241

CONSTR. CONTR. NO: _____

NAVFAC DRAWING NO: _____

SHEET _____ OF _____

AL1-002

DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

D

C

B

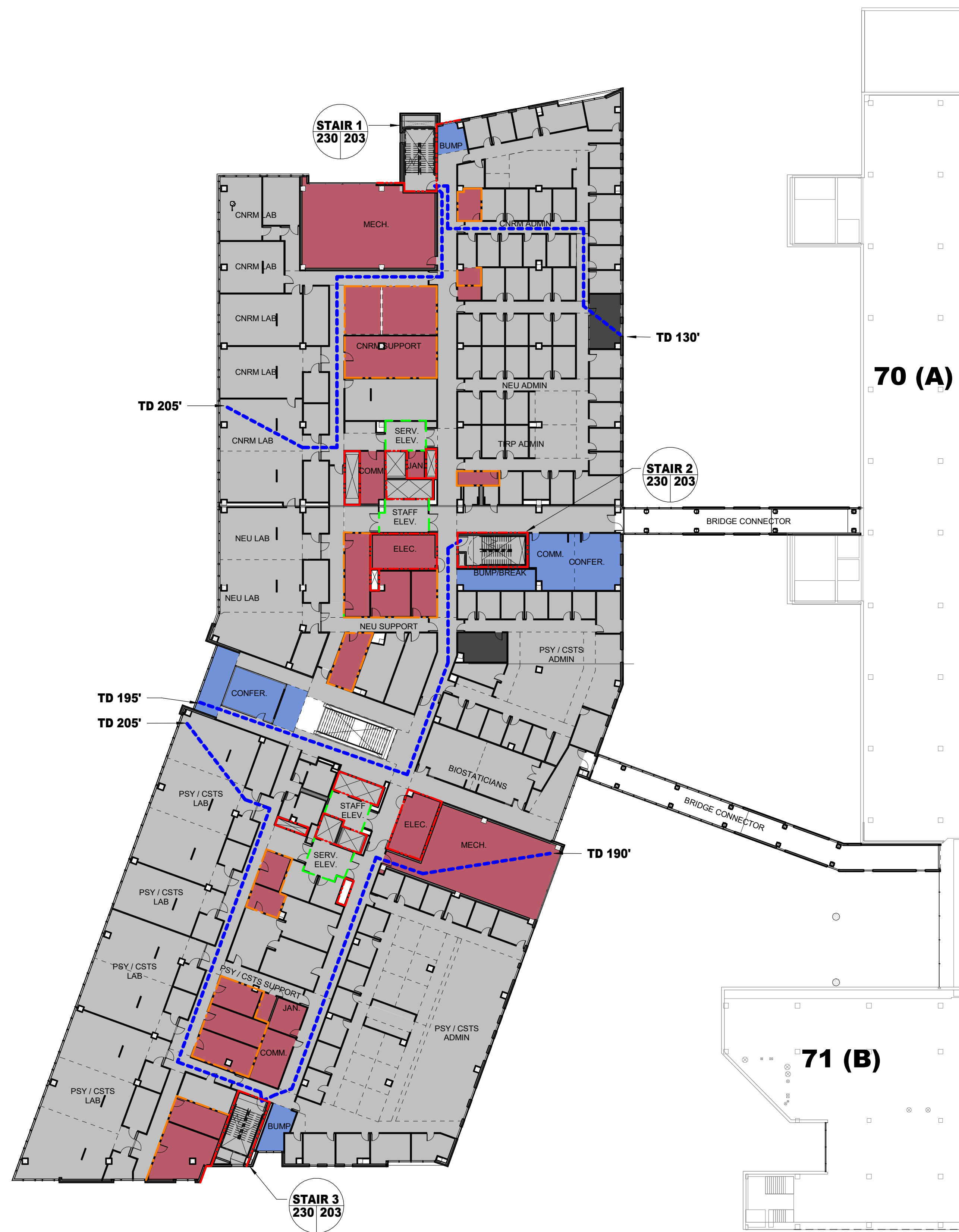
A

D

C

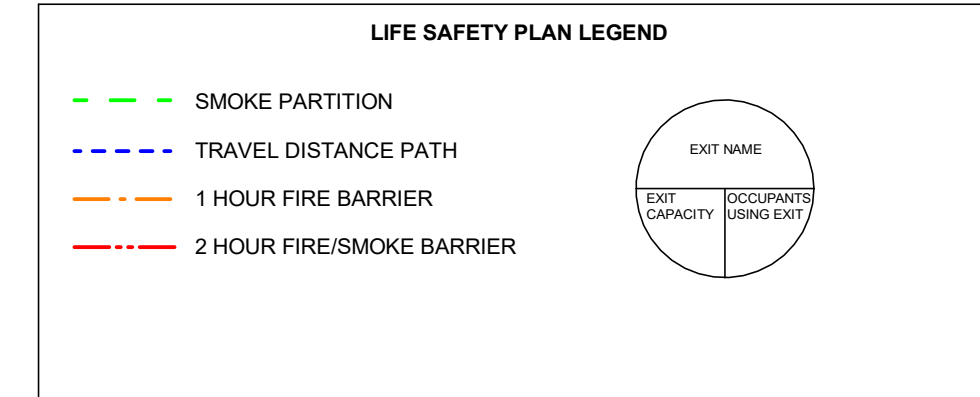
B

A



OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business (North) @ 1 occupant per 150 sq. ft.
- Business (South) @ 1 occupant per 150 sq. ft.
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.



OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY	2365 SQ. FT.	1/15	158
BUSINESS	62915 SQ. FT.	1/150	420
CONCENTRATED BUSINESS	539 SQ. FT.	1/30	18
STORAGE	9600 SQ. FT.	1/500	20
TOTAL	75419 SQ. FT.		616

EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 1	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
STAIR 2	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
STAIR 3	48(-2)	72	DOOR	0.2	LSC 7.3.3.2	230
TOTAL						690

PLAN NORTH
LIFE SAFETY PLAN - LEVEL 03
 SCALE: 1" = 30'-0"

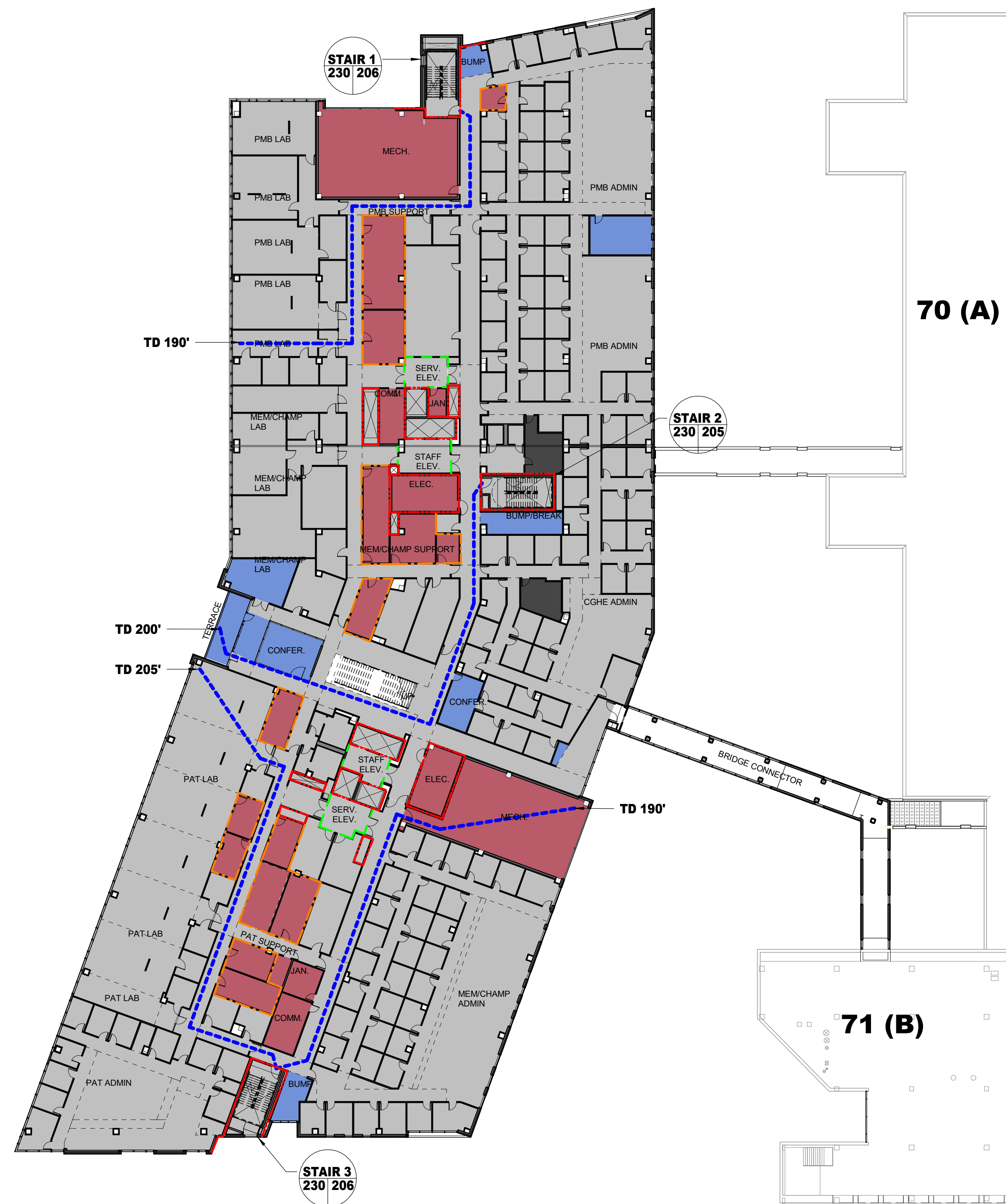


HKS | WSP
 JOINT VENTURE
 HKS WSP JV
 350 N SAINT PAUL ST
 SUITE 100
 DALLAS, TX 75201-4200

APPROVED: _____
 FOR COMMANDER NAVFAC
 ACTIVITY: _____
 SATISFACTORY TO: _____ DATE: 08/22/2018
 DES: xxx | DRW: xxx | CHK: JKH
 PMDM: MR/LKT
 BRANCH MANAGER: _____
 CHIEF ENGINEER: xxx
 FIRE PROTECTION: _____

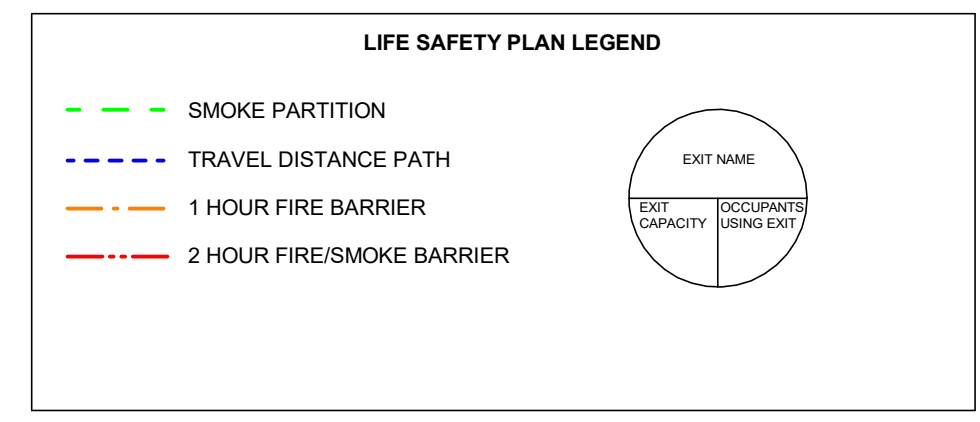
DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 WASHINGTON, WASHINGTON DC
 NAVFAC
 NAVAL SUPPORT ACTIVITY
 USUHS EDUCATION & RESEARCH
 BUILDING ADDITION
 BETHESDA, MD
 LIFE SAFETY PLAN - LEVEL 03

SCALE: AS NOTED
 EPROJCT NO: 1583241
 CONSTR. CONTR. NO.: _____
 NAVFAC DRAWING NO.: _____
 SHEET _____ OF _____
AL1-003
DRAWING REVISION: 31 JANUARY 2017



OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business (North) @ 1 occupant per 150 sq. ft.
- Business (South) @ 1 occupant per 150 sq. ft.
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.



OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY	2848 SQ. FT.	1/15	190
BUSINESS	63205 SQ. FT.	1/150	422
CONCENTRATED BUSINESS	504 SQ. FT.	1/30	17
STORAGE	8862 SQ. FT.	1/500	18
TOTAL	75419 SQ. FT.		647

EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 1	48(-)	72	DOOR	0.2	LSC 7.3.3.2	230
STAIR 2	48(-)	72	DOOR	0.2	LSC 7.3.3.2	230
STAIR 3	48(-)	72	DOOR	0.2	LSC 7.3.3.2	230
					TOTAL	690

70 (A)

71 (B)

PLAN NORTH
LIFE SAFETY PLAN - LEVEL 04
SCALE: 1" = 30'-0"

<p>APPROVED: _____</p> <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SAISFACTORY TO DATE: 08/22/2018</p> <p>DES: xxx DRW: xxx CHK: JKH</p> <p>PM/MD: Mr/Lt</p> <p>BRANCH MANAGER</p> <p>CHIEF ENGINEER: xxx</p> <p>FIRE PROTECTION</p>	<p style="text-align: center;">NAVFAC</p> <p style="text-align: center;">HKS WSP JOINT VENTURE</p> <p>HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);"> DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION LIFE SAFETY PLAN - LEVEL 04 </p> <p>SCALE: AS NOTED EPROJCT NO: 1583241 CONSTR. CONTR. NO. NAVFAC DRAWING NO. SHEET _____ OF _____</p> <p style="text-align: center;">AL1-004</p> <p style="text-align: right; font-size: small;">DRAWING REVISION: 31 JANUARY 2017</p>
---	--

1

2

3

4

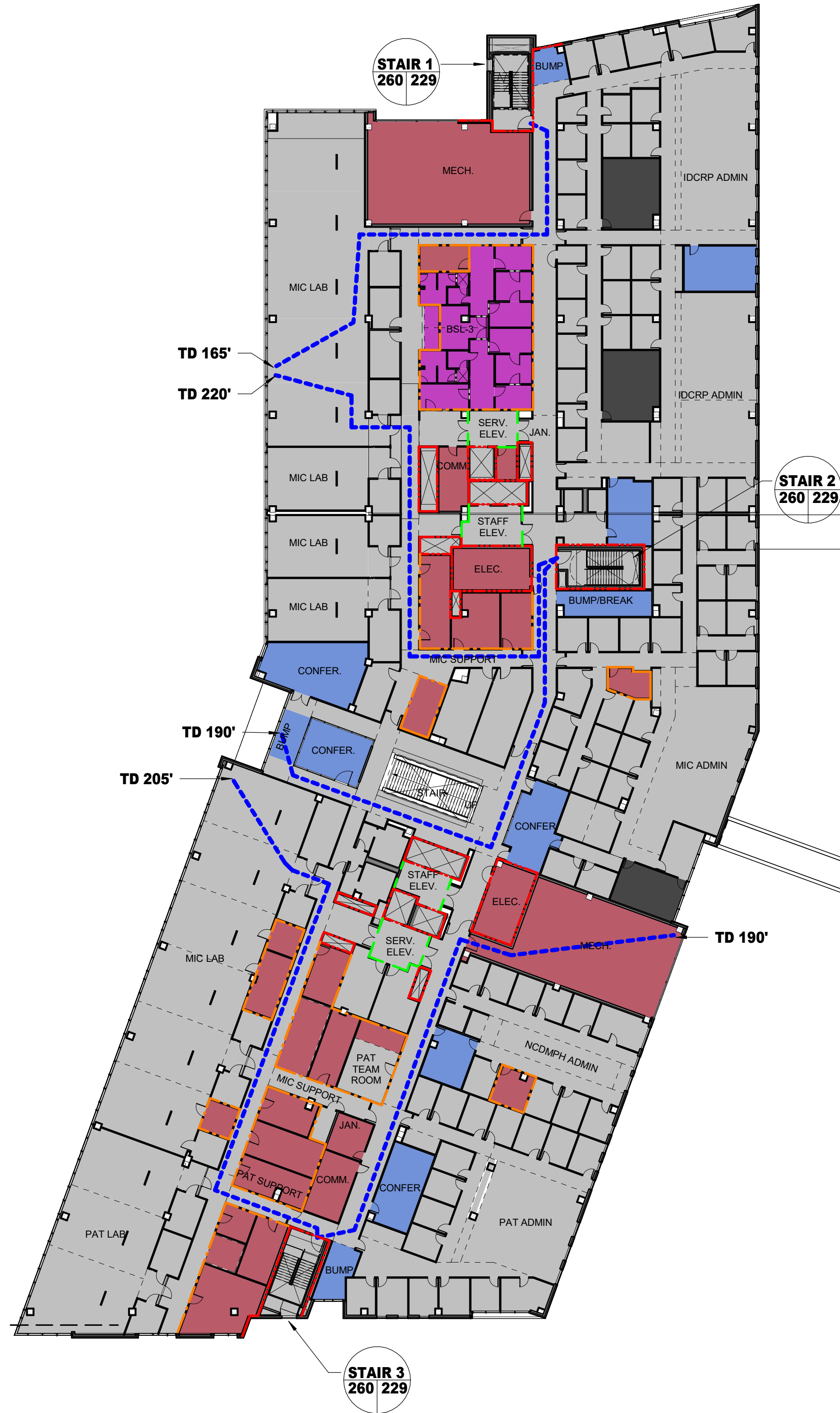
5

D

C

B

A

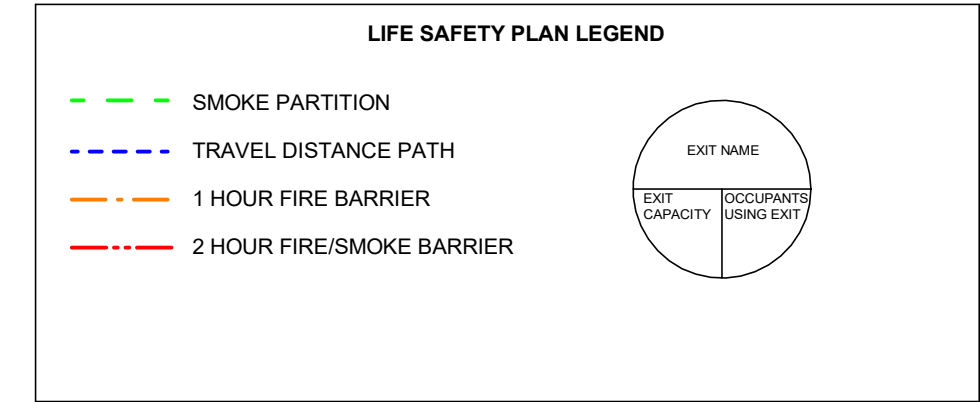


OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business (North) @ 1 occupant per 150 sq. ft.
- Business (South) @ 1 occupant per 150 sq. ft.
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.

70 (A)

71 (B)



OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
ASSEMBLY	3658 SQ. FT.	1/15	244
BUSINESS	57894 SQ. FT.	1/150	386
CONCENTRATED BUSINESS	1281 SQ. FT.	1/30	43
INDUSTRIAL	1856 SQ. FT.	1/100	19
STORAGE	9627 SQ. FT.	1/500	20
TOTAL	74316 SQ. FT.		712

EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 1	54(-2)	72	DOOR	0.2	LSC 7.3.3.2	260
STAIR 2	54(-2)	72	DOOR	0.2	LSC 7.3.3.2	260
STAIR 3	54(-2)	72	DOOR	0.2	LSC 7.3.3.2	260
					TOTAL	780



LIFE SAFETY PLAN - LEVEL 05

SCALE: 1" = 30'-0" 0 15' 30' 60'



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, WASHINGTON DC
NAVFAC
NAVAL SUPPORT ACTIVITY
BETHESDA, MD
USUHS EDUCATION & RESEARCH
BUILDING ADDITION
LIFE SAFETY PLAN - LEVEL 05

SCALE: AS NOTED
EPROJCT NO: 1583241
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
SHEET OF

AL1-005
DRAWING REVISION: 31 JANUARY 2017

1

2

3

4

5

D

C

B

A

D

C

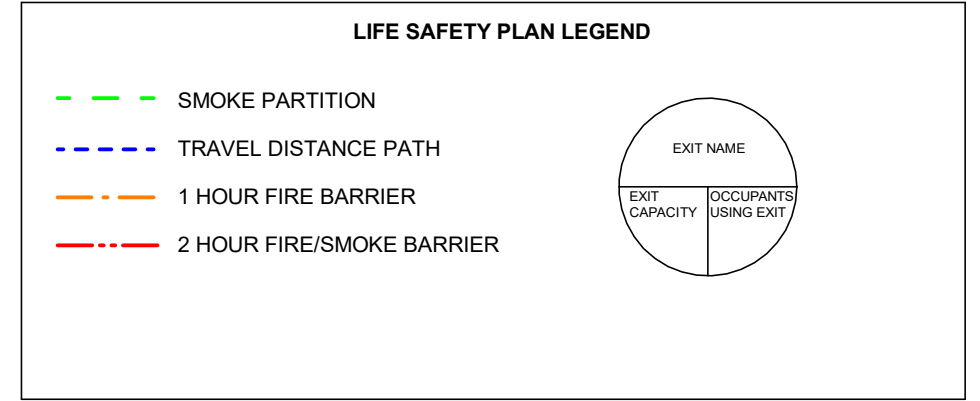
B

A



OCCUPANT LOAD LEGEND

- Assembly @ 1 occupant per 15 sq. ft.
- Business (North) @ 1 occupant per 150 sq. ft.
- Business (South) @ 1 occupant per 150 sq. ft.
- Concentrated Business @ 1 occupant per 30 sq. ft.
- Education (North) @ 1 occupant per 20 sq. ft.
- Education (South) @ 1 occupant per 20 sq. ft.
- Industrial @ 1 occupant per 100 sq. ft.
- Storage @ 1 occupant per 500 sq. ft.



OCCUPANCY	AREA (SQ. FT.)	OCCUPANT FACTOR (PERSON/SQ.FT.)	OCCUPANT LOAD
STORAGE	5232 SQ. FT.	1/500	11
TOTAL	5232 SQ. FT.		11

EXIT NAME	WIDTH (INCHES)		LIMITING FACTOR	WIDTH FACTOR INCH/PERSON		OCCUPANT CAPACITY
	DOOR	STAIR		DOOR	STAIR	
STAIR 1	48(-2)	63	DOOR	0.2	LSC 7.3.3.2	230
				TOTAL		230



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

SATISFACTORY TO DATE 08/22/2018

DES xxx | DRW xxx | CHK JKH

PMO MRL/KT

BRANCH MANAGER

CHIEF ENGINEER XXX

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND

WASHINGTON WASHINGTON DC

NAVFAC BETHESDA, MD

NAVAL SUPPORT ACTIVITY

USUHS EDUCATION & RESEARCH

BUILDING ADDITION

LIFE SAFETY PLAN - ROOF LEVEL

SCALE: AS NOTED

EPROJCT NO: 1583241

CONSTR. CONTR. NO.

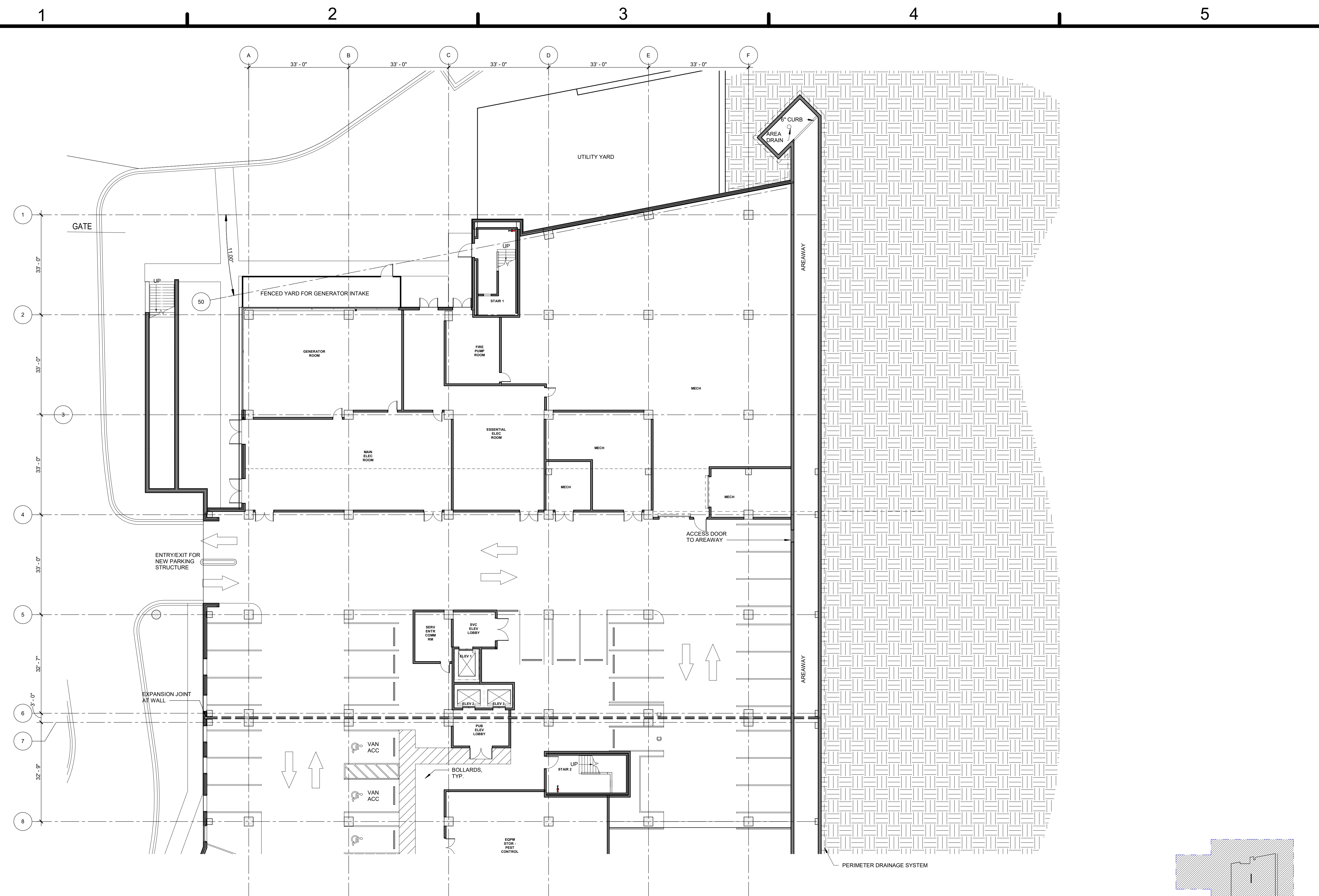
NAVFAC DRAWING NO.

SHEET OF

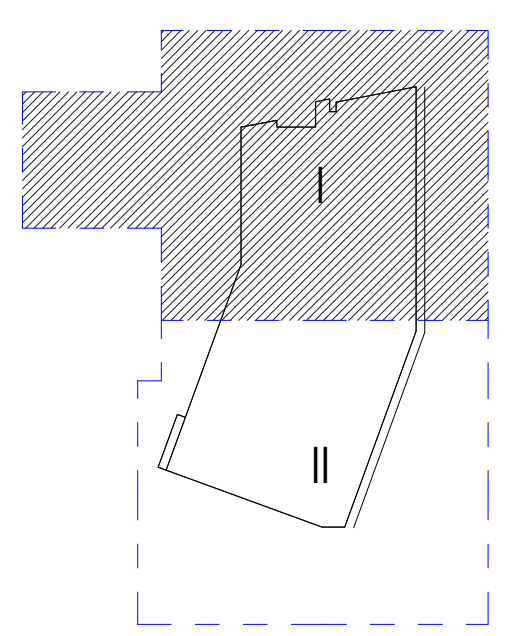
AL1-006

DRAWING REVISION: 31 JANUARY 2017



PLAN NORTH
LIFE SAFETY PLAN - ROOF LEVEL
SCALE: 1" = 30'-0" 0 15' 30' 60'

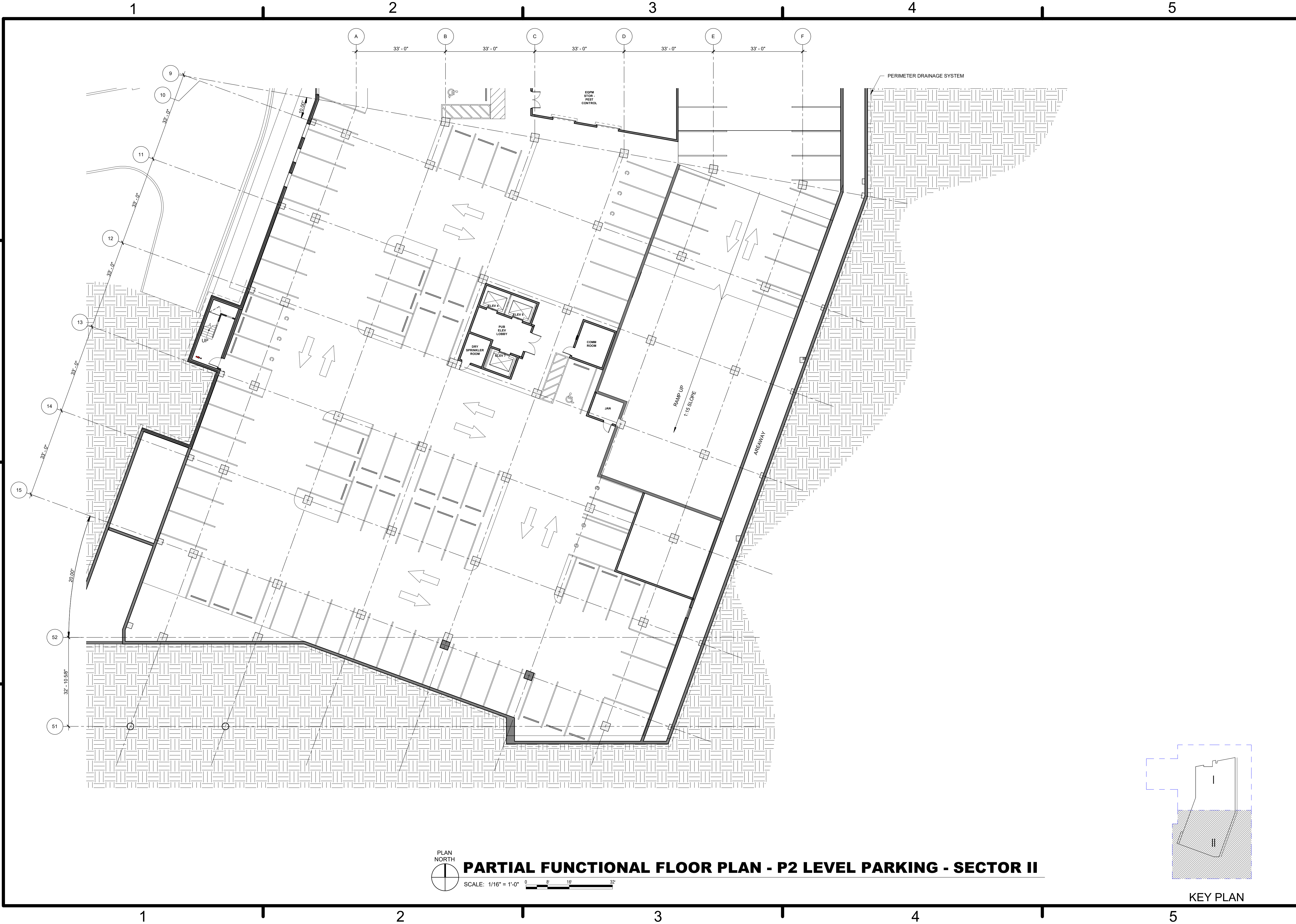


PARTIAL FUNCTIONAL FLOOR PLAN - P2 LEVEL PARKING - SECTOR I
 SCALE: 1/16" = 1'-0" 0 5' 10' 32'

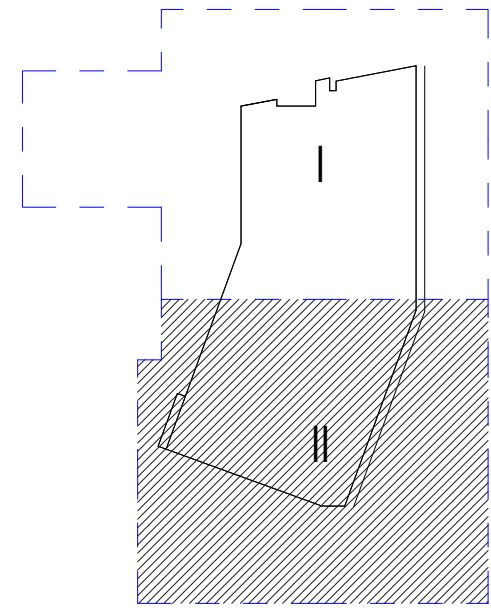


KEY PLAN



DATE	APP'R
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE/REG
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES XXX	DRW XXX [CHK JKH]
PM/DM	M/R/L/T
BRANCH MANAGER	
CHIEF ENGINEER XXXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON DC NAVFAC WASHINGTON DC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FUNCTIONAL FLOOR PLAN - P2 LEVEL PARKING - SECTOR I	
SCALE: AS NOTED	
PROJECT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-P21	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

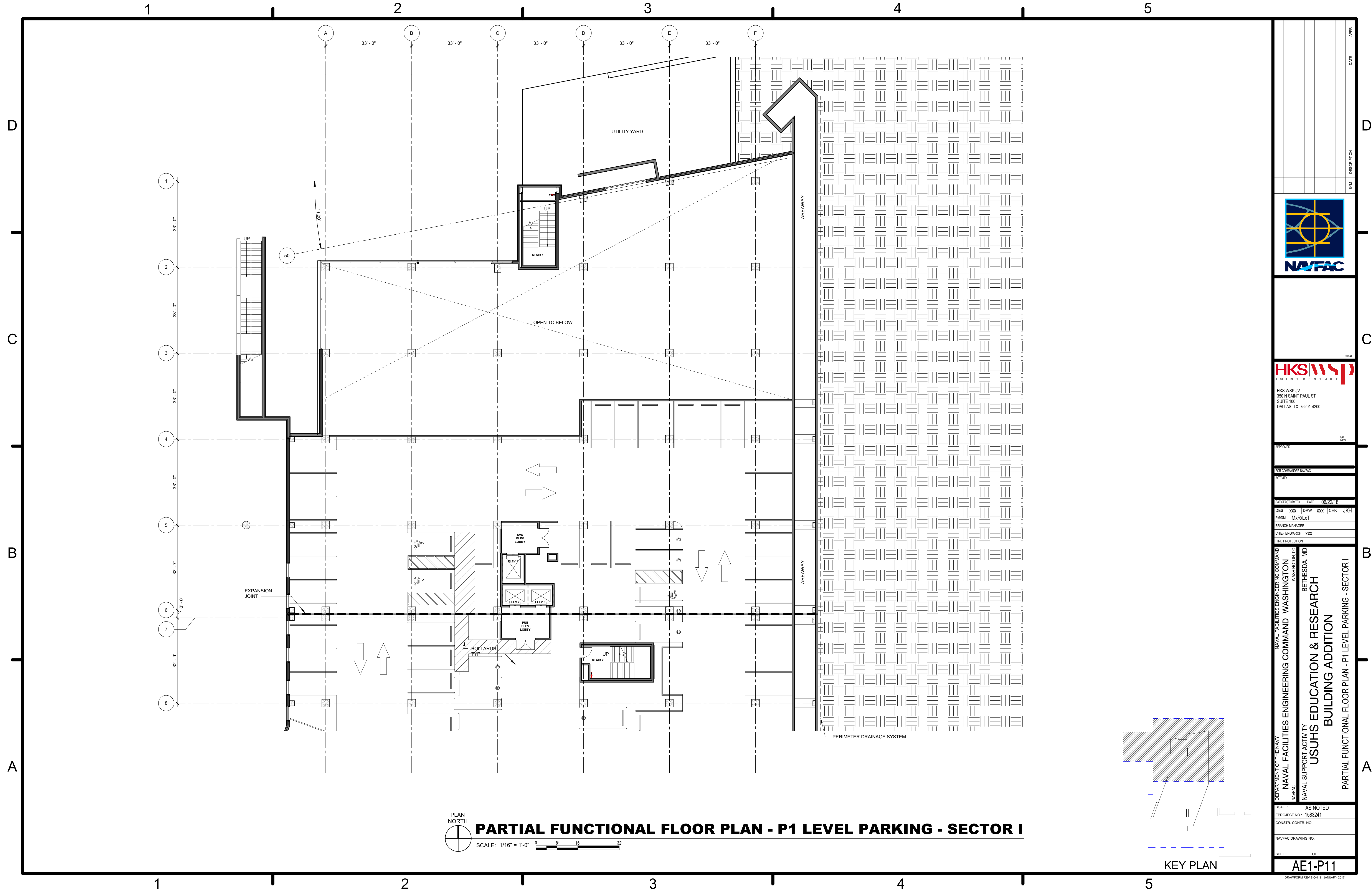


PLAN NORTH
PARTIAL FUNCTIONAL FLOOR PLAN - P2 LEVEL PARKING - SECTOR II
 SCALE: 1/16" = 1'-0" 0 8 16 32

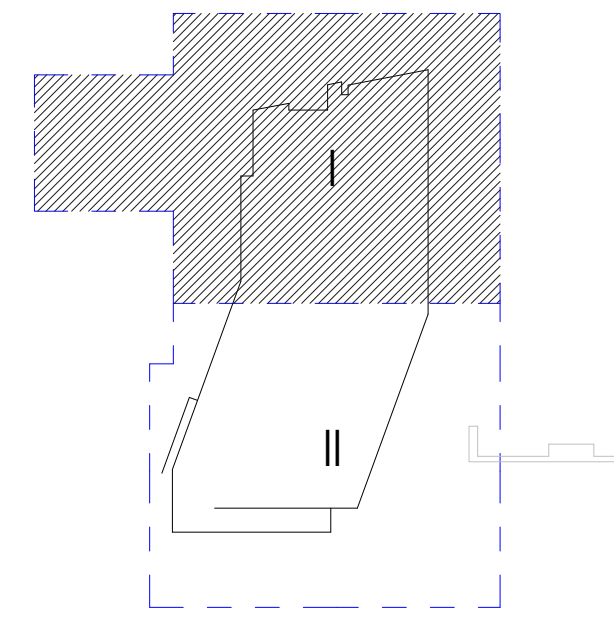


KEY PLAN



DATE	APP'R
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES XXX	DRW XXX
CHK JKH	
PM/DM MRL/KT	
BRANCH MANAGER	
CHIEF ENGR/ARCH XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FUNCTIONAL FLOOR PLAN - P2 LEVEL PARKING - SECTOR II	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
AE1-P22 <small>DRAWING REVISION: 31 JANUARY 2017</small>	

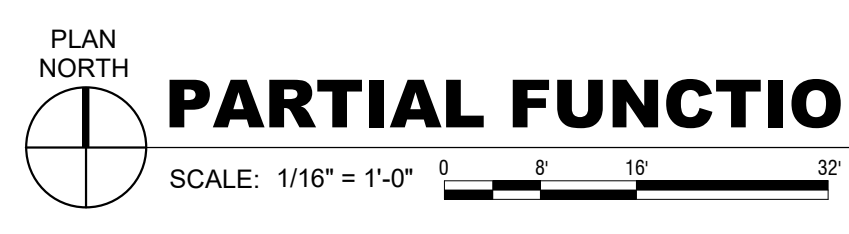
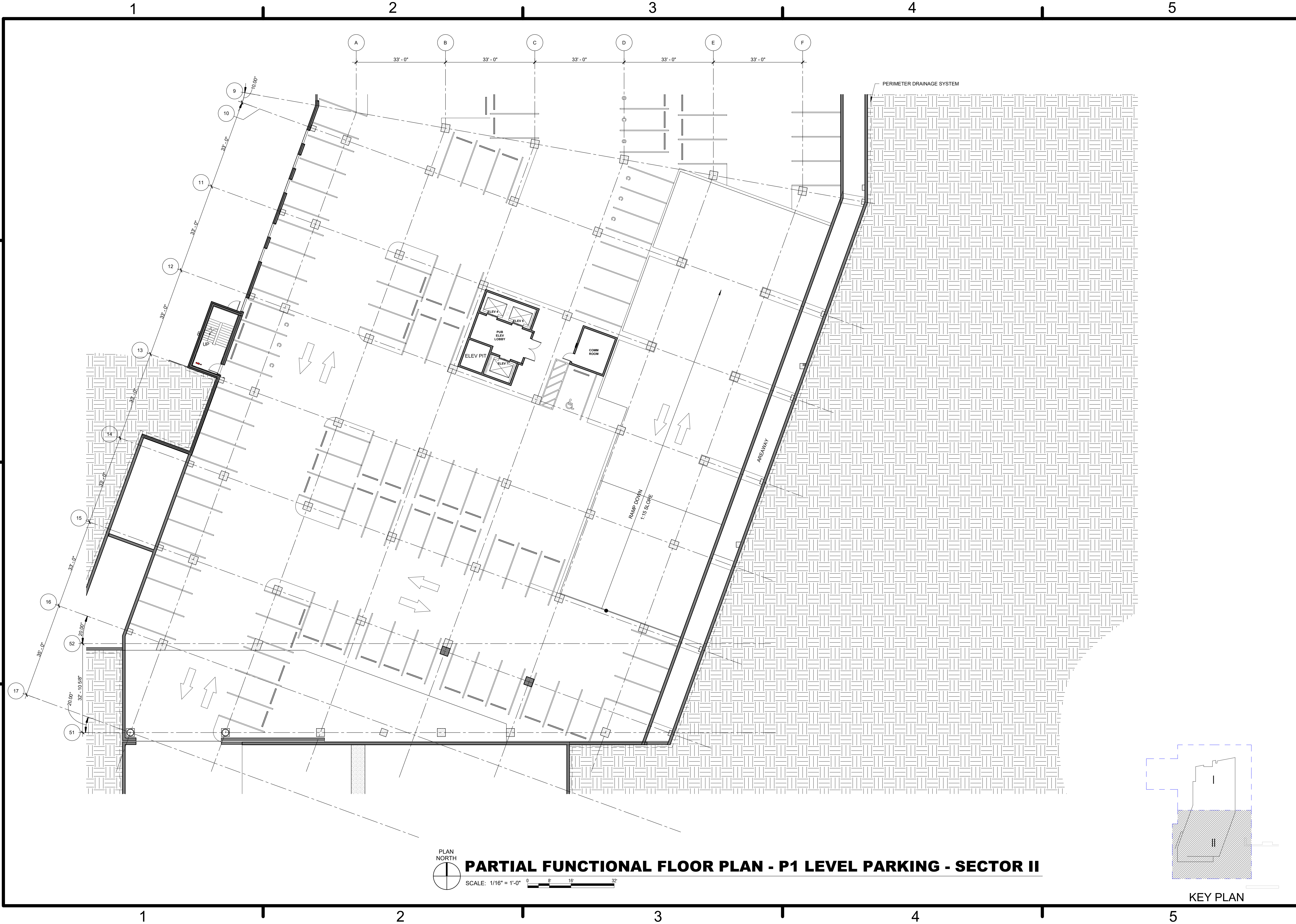


PLAN NORTH
PARTIAL FUNCTIONAL FLOOR PLAN - P1 LEVEL PARKING - SECTOR I
 SCALE: 1/16" = 1'-0" 0 8 16 32'

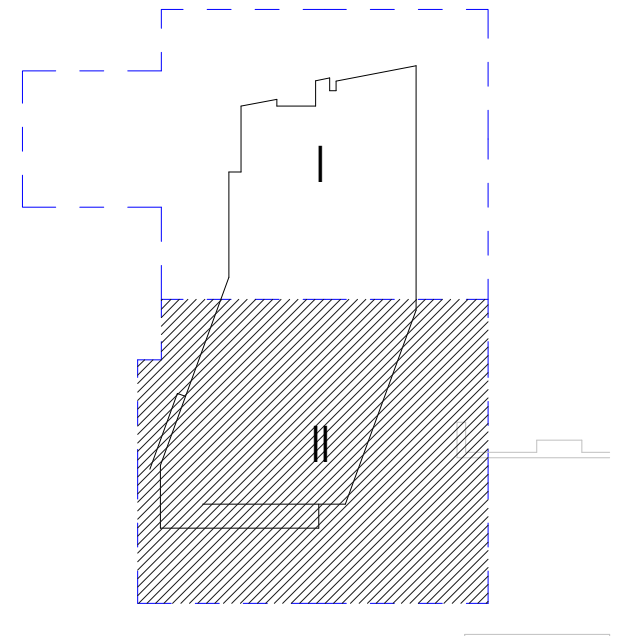


KEY PLAN
 AE1-P11



DATE	APP'R
DESCRIPTION	SYN
 NAVFAC	
 HKS WSP JOINT VENTURE	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES XXX	DRW XXX
CHKR	JKH
PMDM	MJR/LKT
BRANCH MANAGER	
CHIEF ENGINEER	XXX
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC	WASHINGTON DC
NAVAL SUPPORT ACTIVITY	BETHESDA, MD
USUHS EDUCATION & RESEARCH BUILDING ADDITION	
PARTIAL FUNCTIONAL FLOOR PLAN - P1 LEVEL PARKING - SECTOR I	
SCALE:	AS NOTED
EPROJCT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-P11	
<small>DRAWFORM REVISION: 31 JANUARY 2017</small>	

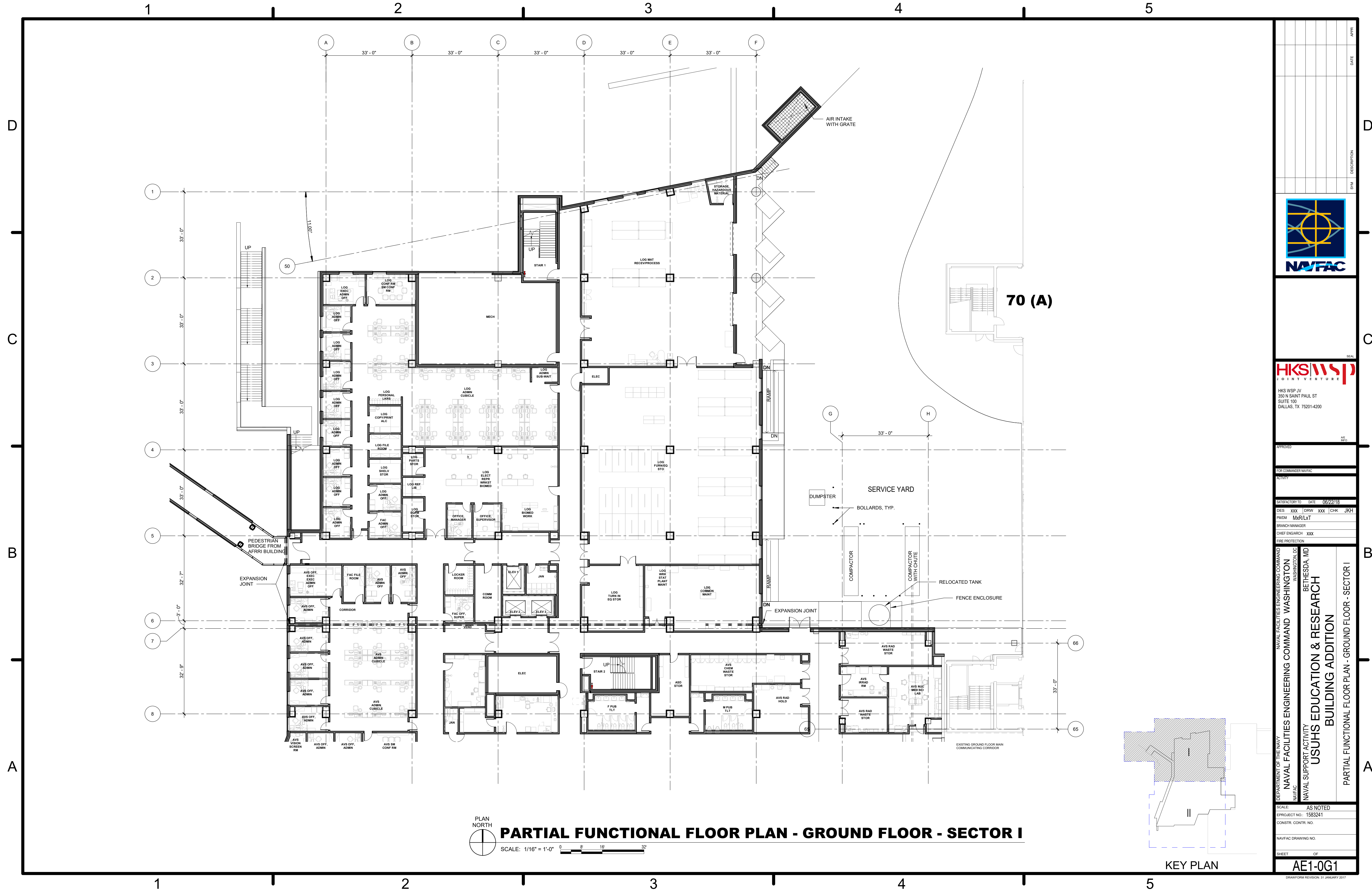


PARTIAL FUNCTIONAL FLOOR PLAN - P1 LEVEL PARKING - SECTOR II





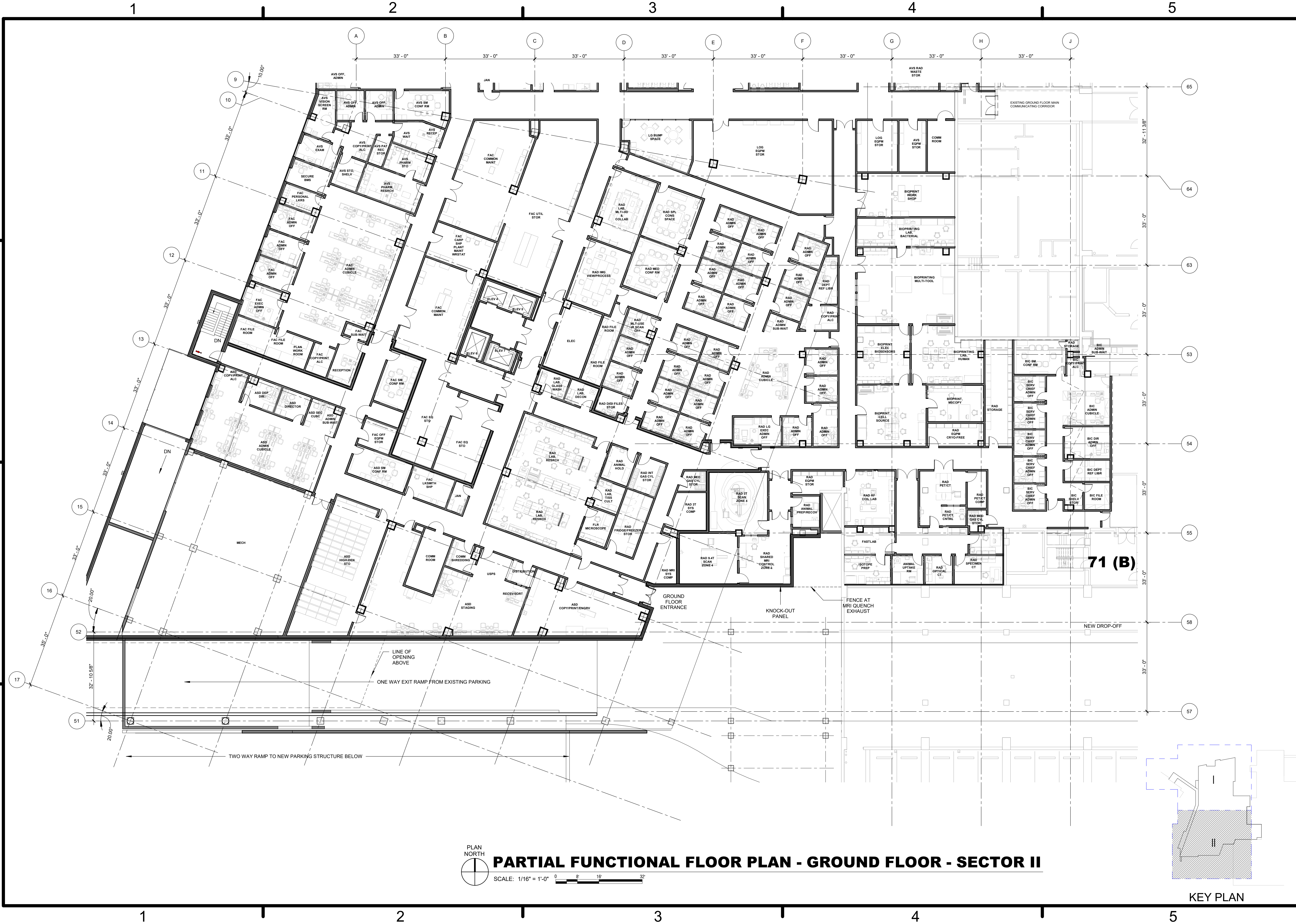
KEY PLAN

DATE	APP'R
DESCRIPTION	BY
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REF
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES XXX	DRW XXX CHK JKH
PM/MD Mr/LKT	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FUNCTIONAL FLOOR PLAN - P1 LEVEL PARKING - SECTOR II	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
AE1-P12	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

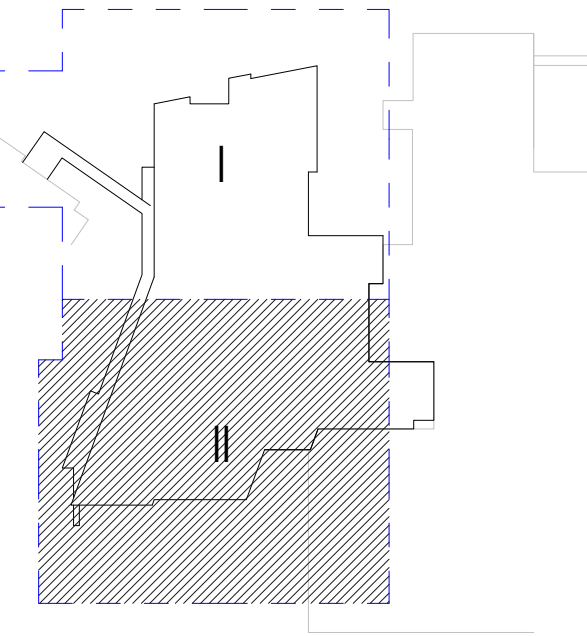


PLAN NORTH
PARTIAL FUNCTIONAL FLOOR PLAN - GROUND FLOOR - SECTOR I
 SCALE: 1/16" = 1'-0"

DATE	APP'D
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REG
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE 08/22/18	
DES	CHK
PMO	MR/LKT
BRANCH MANAGER	
CHIEF ENGINEER XXXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FUNCTIONAL FLOOR PLAN - GROUND FLOOR - SECTOR I	
SCALE:	AS NOTED
EPROJECT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-0G1 <small>DRAWING REVISION: 31 JANUARY 2017</small>	



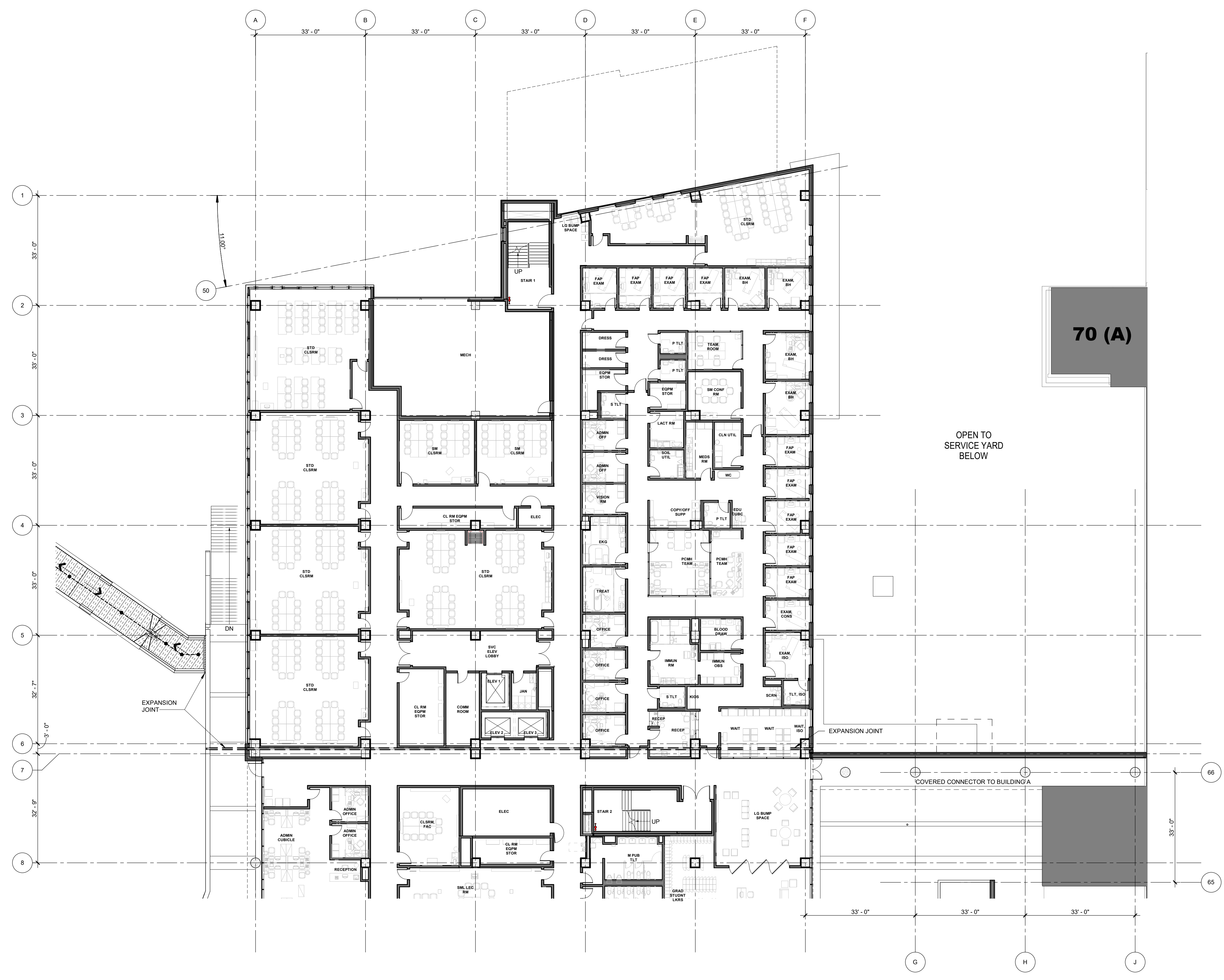
PLAN NORTH
PARTIAL FUNCTIONAL FLOOR PLAN - GROUND FLOOR - SECTOR II
 SCALE: 1/16" = 1'-0"



HKS WSP JOINT VENTURE HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	DATE
FOR COMMANDER NAVFAC	DESCRIPTION
ACTIVITY	DATE
SATISFACTORY TO	DATE
DES XXX	DRW XXX
PMID MrRLT	CHK JKH
BRANCH MANAGER	
CHIEF ENGINEER XXXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FUNCTIONAL FLOOR PLAN - GROUND FLOOR - SECTOR II	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
AE1-0G2	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

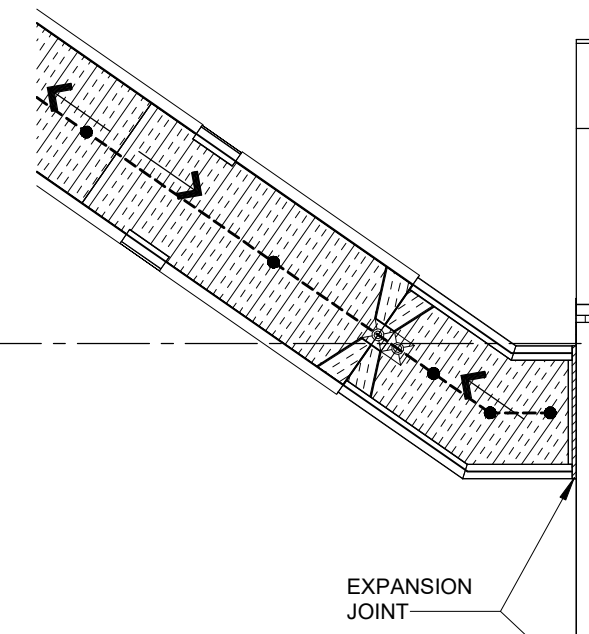
1 2 3 4 5

D
C
B
A



70 (A)

OPEN TO SERVICE YARD BELOW



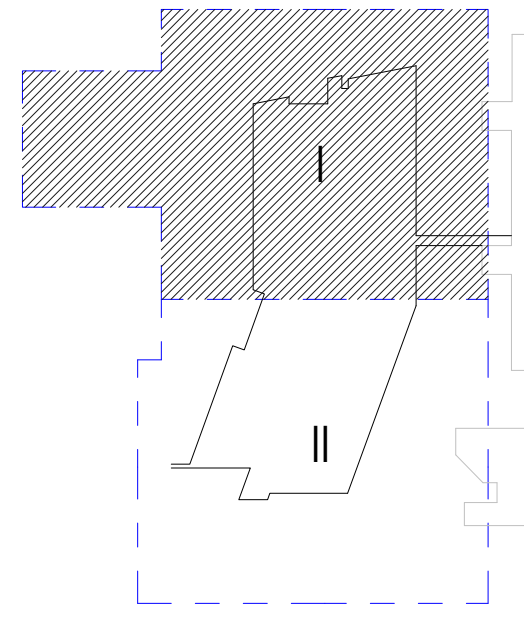
EXPANSION JOINT

COVERED CONNECTOR TO BUILDING A





PARTIAL FUNCTIONAL FLOOR PLAN - PLAZA LEVEL 01 - SECTOR I

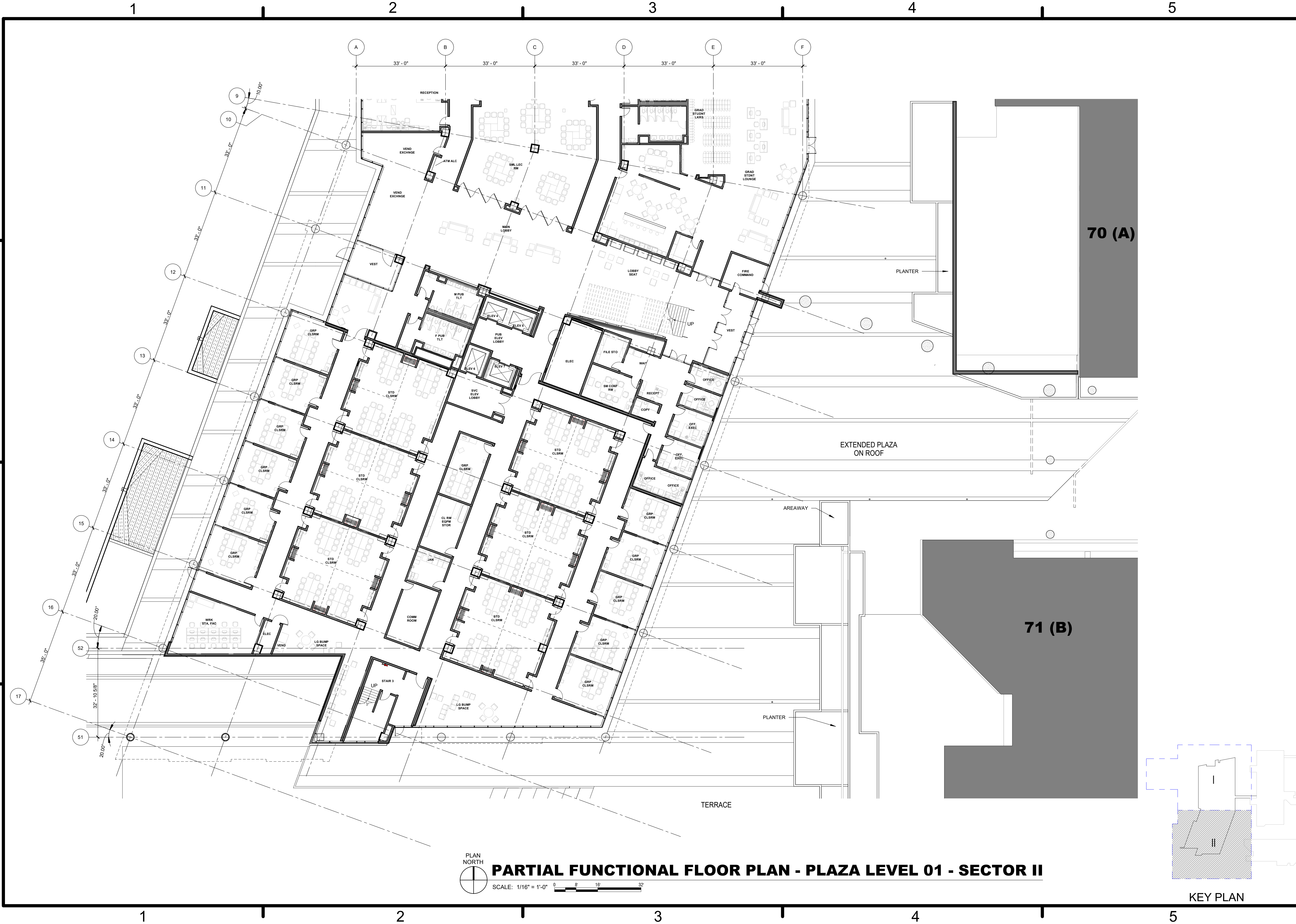
SCALE: 1/16" = 1'-0" 0 8' 16' 32'



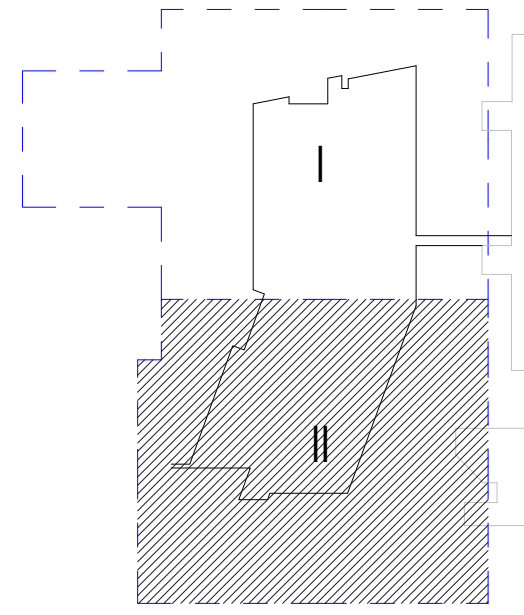
KEY PLAN

1 2 3 4 5



DATE	APP'D
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REG
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES XXX	DRW XXX CHK JKH
PM/DR MDR/LKT	
BRANCH MANAGER	
CHIEF ENGINEER XXXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FUNCTIONAL FLOOR PLAN - PLAZA LEVEL 01 - SECTOR I	
SCALE: AS NOTED	
PROJECT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
AE1-011	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	



PLAN NORTH
PARTIAL FUNCTIONAL FLOOR PLAN - PLAZA LEVEL 01 - SECTOR II
 SCALE: 1/16" = 1'-0"



KEY PLAN

DATE	APP'D
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES	XXX DRW XXX CHK JKH
PM/D	M/R/L/T
BRANCH MANAGER	
CHIEF ENGINEER	XXX
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC	WASHINGTON DC
NAVFAC	BETHESDA, MD
USUHS EDUCATION & RESEARCH	
BUILDING ADDITION	
PARTIAL FUNCTIONAL FLOOR PLAN - PLAZA LEVEL 01 - SECTOR II	
SCALE:	AS NOTED
PROJECT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-012	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

D

C

B

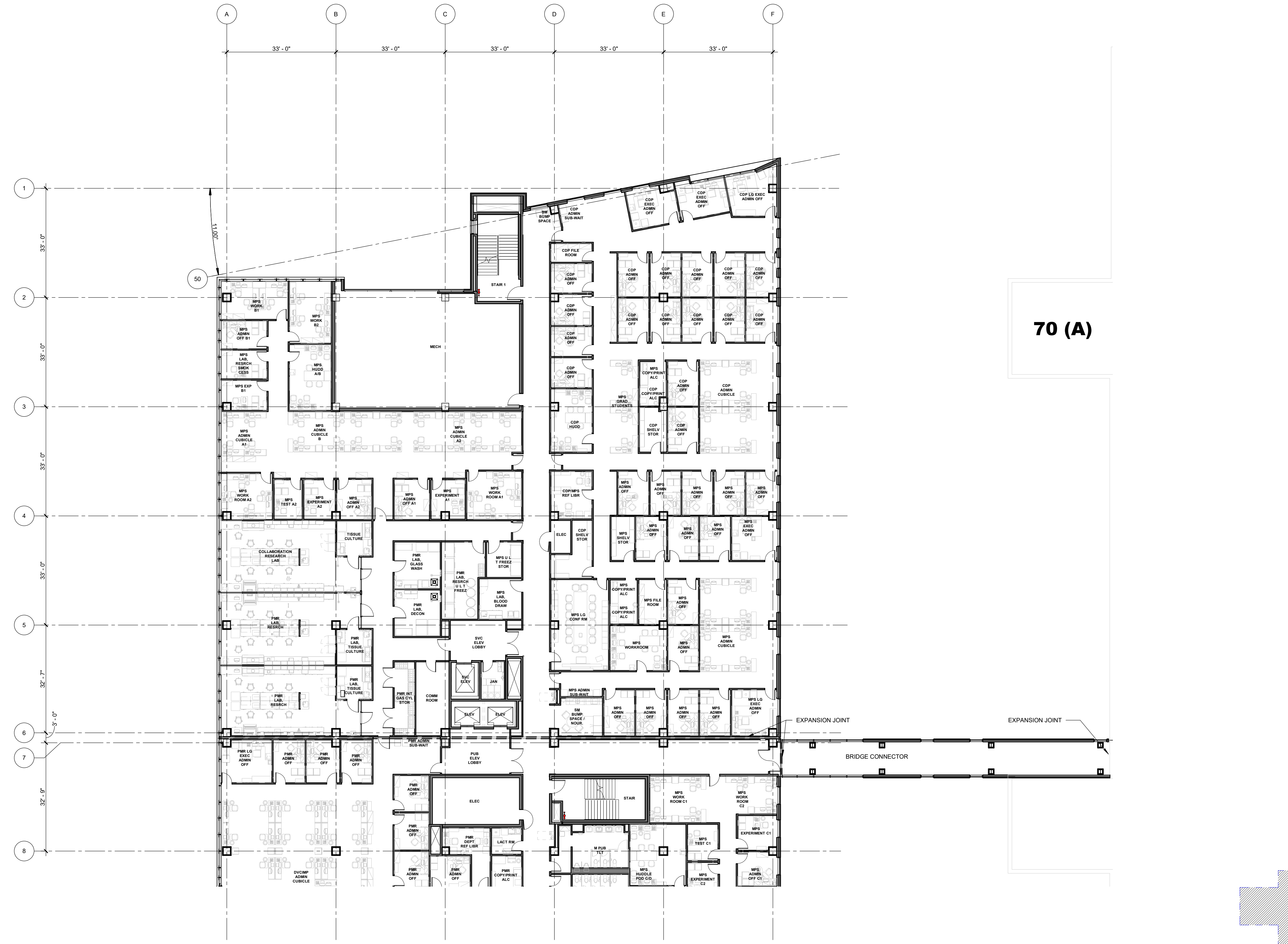
A

D

C

B

A

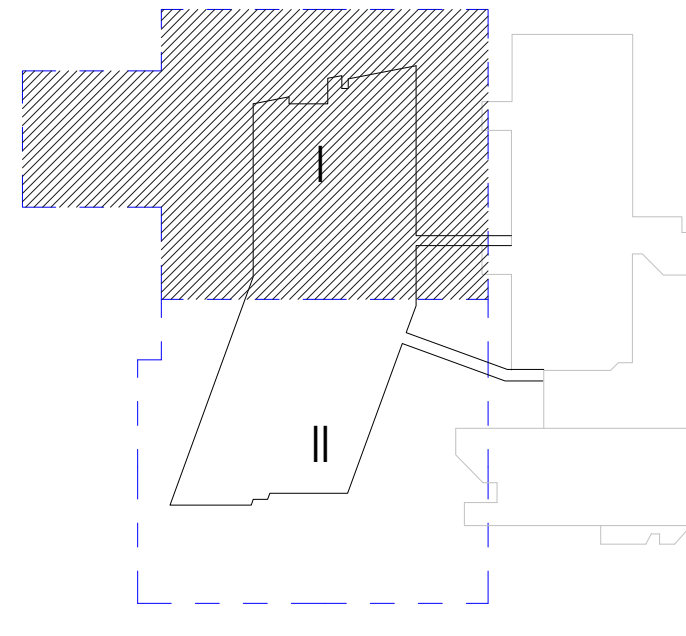


70 (A)



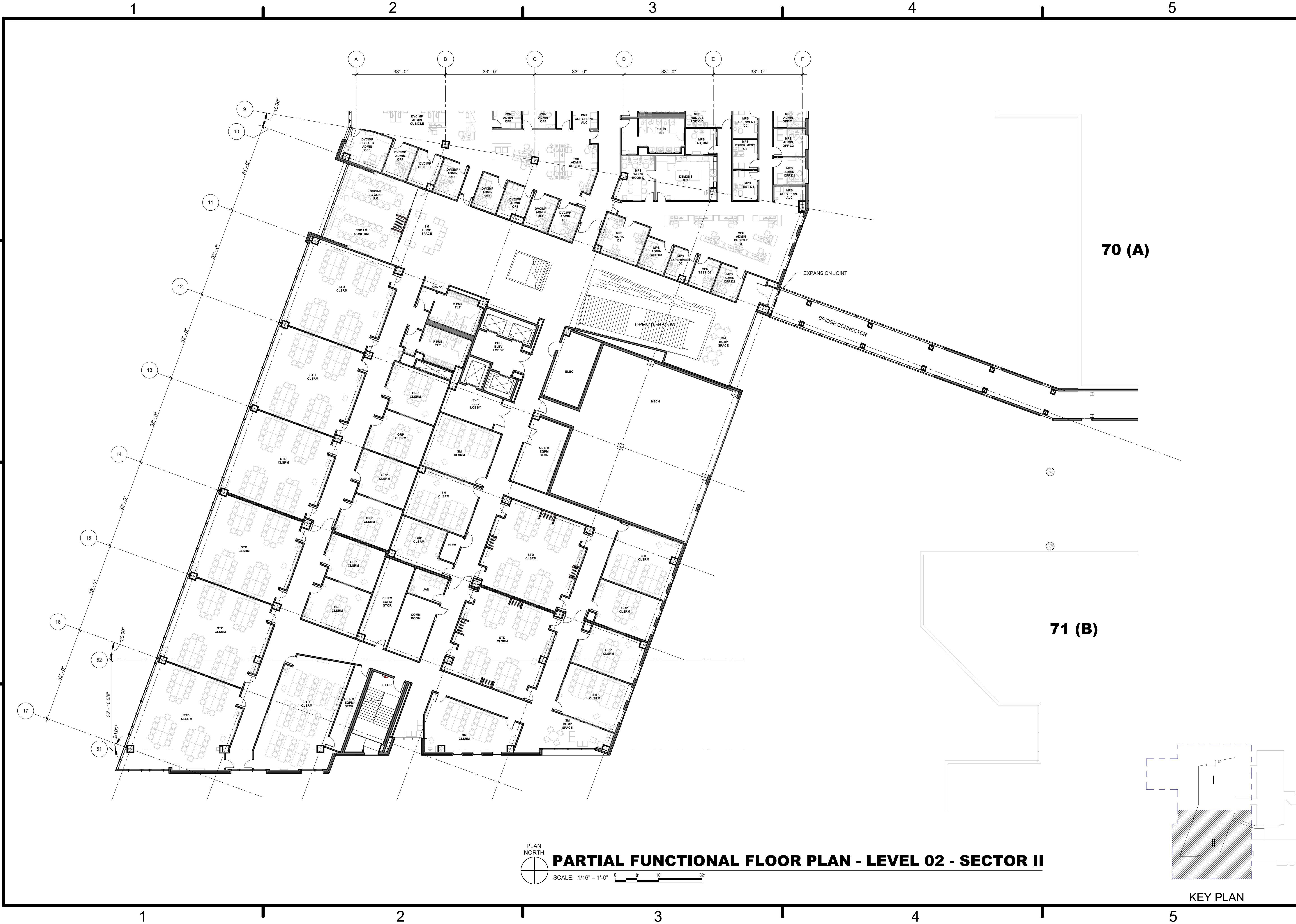
PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 02 - SECTOR I

SCALE: 1/16" = 1'-0" 0 8 16 32



KEY PLAN

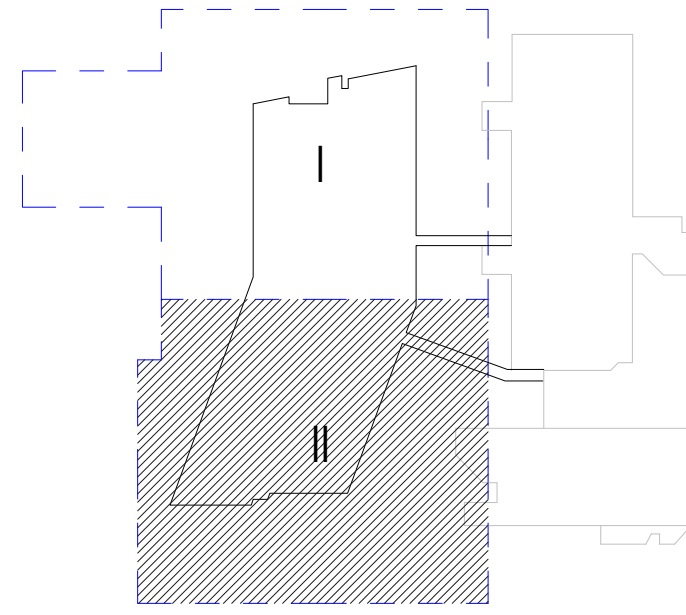
DATE	APPROVED
DESCRIPTION	FOR COMMANDER NAVFAC
SYMBOL	ACTIVITY
REVISION	SATISFACTORY TO DATE 08/22/2018
	DES XXX DRW XXX CHK JKH
	PMO MrRLT
	BRANCH MANAGER
	CHIEF ENGINEER XXX
	FIRE PROTECTION
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 02 - SECTOR I	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
AE1-021	
DRAWING REVISION: 31 JANUARY 2017	





PLAN NORTH
PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 02 - SECTOR II
 SCALE: 1/16" = 1'-0" 0 8 16 32

70 (A)

71 (B)



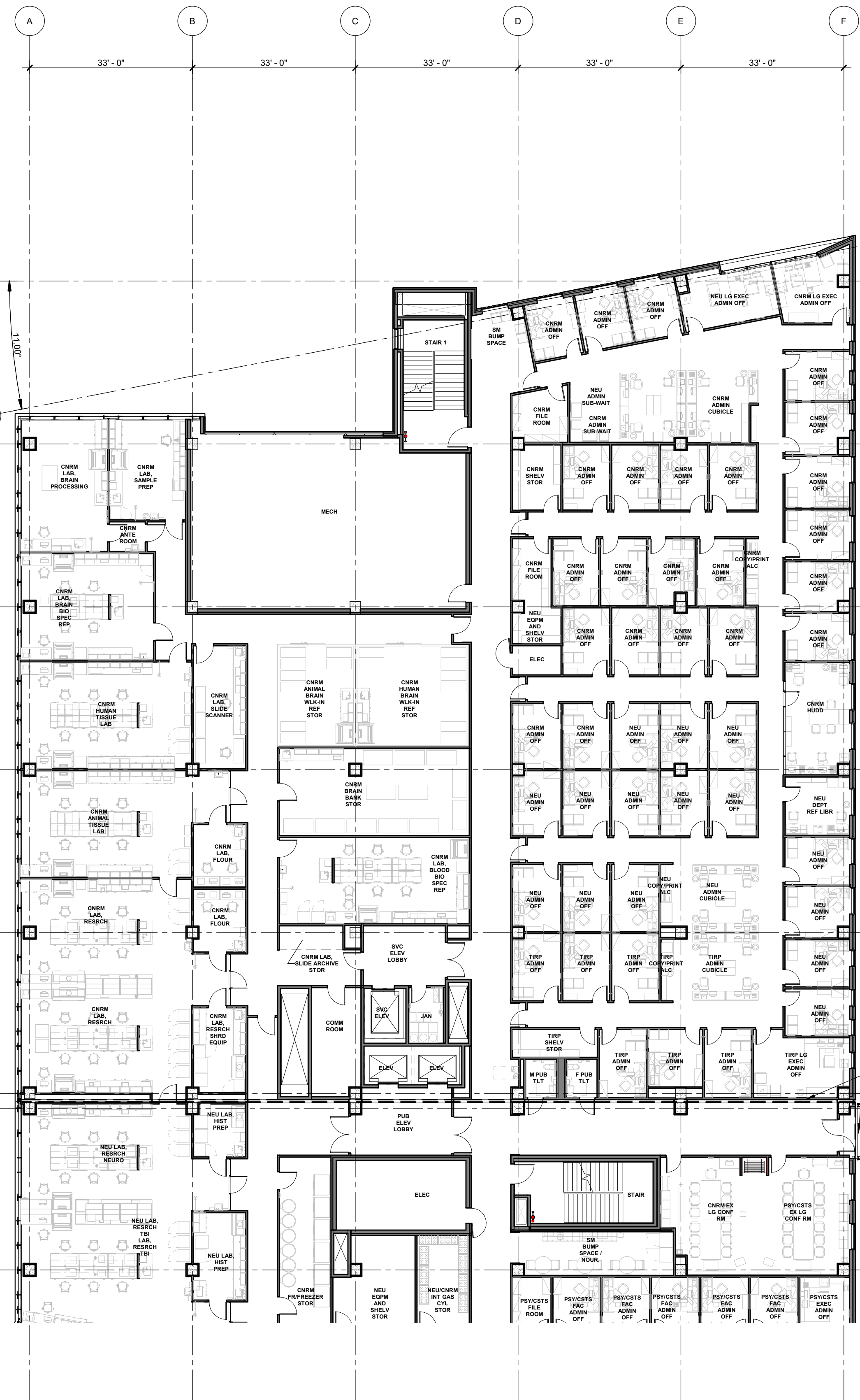
KEY PLAN

DATE	APP'R
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REF
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES xxx	DRW xxx CHK JKH
PM/DR MRL/KT	
BRANCH MANAGER	
CHIEF ENGINEER XXXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 02 - SECTOR II	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET OF	
AE1-022 <small>DRAWING REVISION: 31 JANUARY 2017</small>	

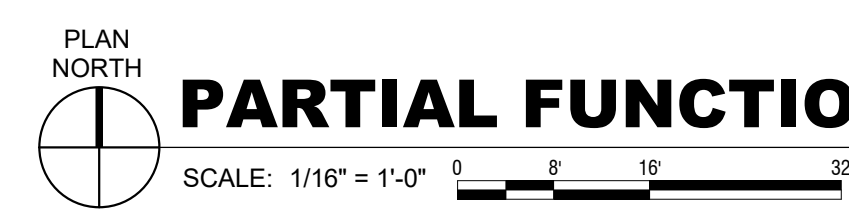
1 2 3 4 5

D
C
B
A

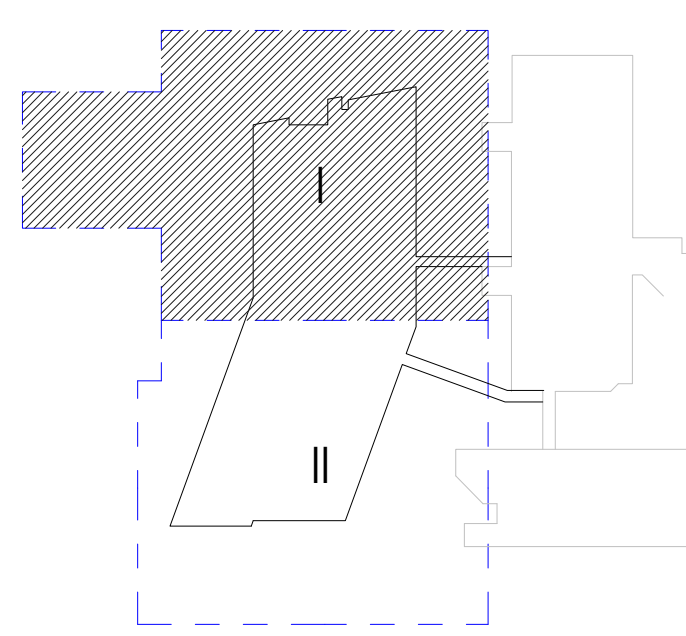
1
2
3
4
5
6
7
8



70 (A)





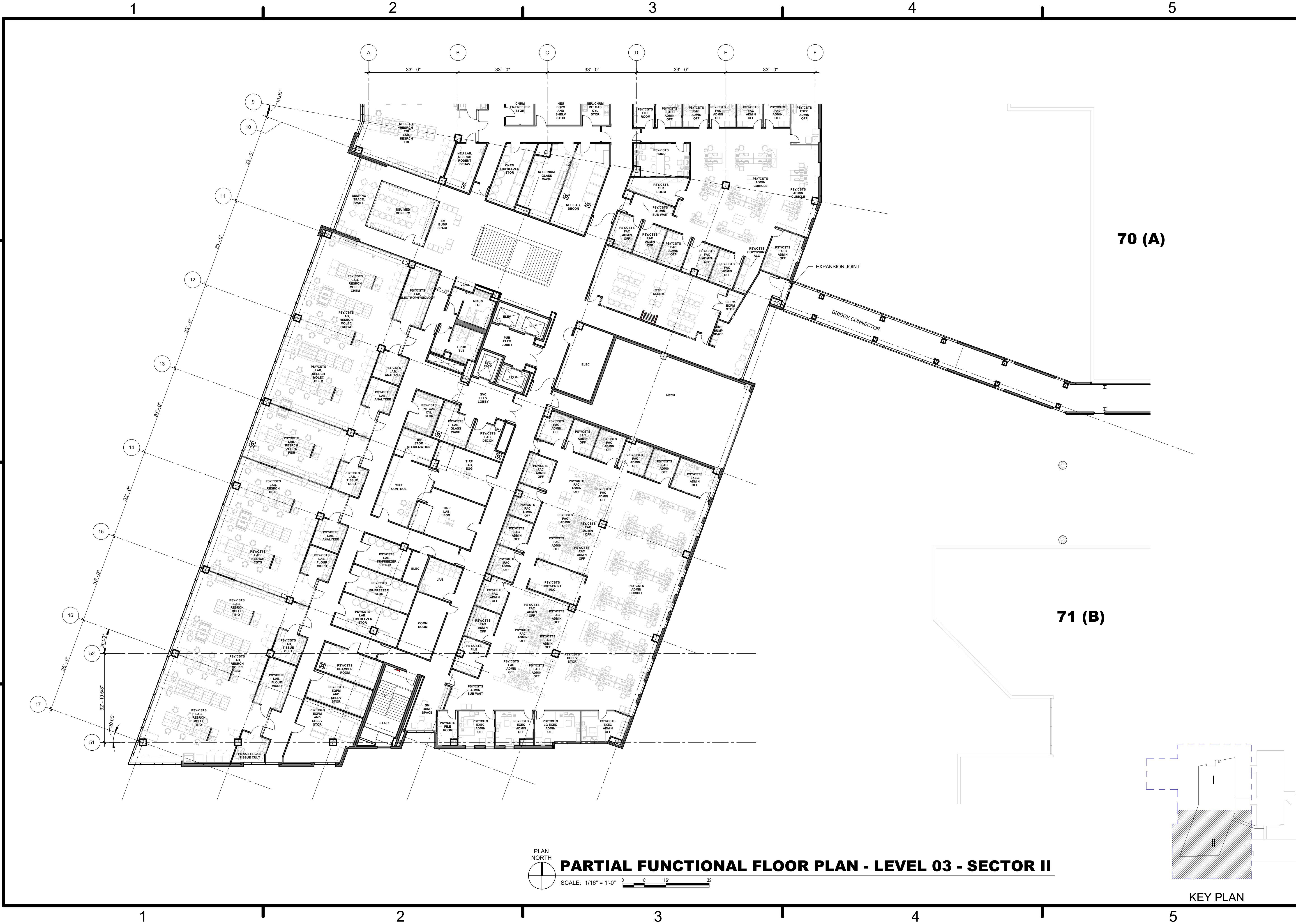
PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 03 - SECTOR I



KEY PLAN

1 2 3 4 5



DATE	APPR
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES XXX	DRW XXX
CHKM	JKH
PM/DM Mr/RLT	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD NAVAL SUPPORT ACTIVITY	
PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 03 - SECTOR I	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-031	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	



70 (A)

71 (B)

PLAN NORTH
PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 03 - SECTOR II
 SCALE: 1/16" = 1'-0"

DATE	APP'R
DESCRIPTION	SYN
 NAVFAC	
 HKS WSP JOINT VENTURE HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REF
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES XXX	DRW XXX CHK JKH
PMID MrRLT	BRANCH MANAGER
CHIEF ENGINEER XXX	FIRE PROTECTION
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 03 - SECTOR II	
SCALE: AS NOTED	PROJECT NO: 1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-032 <small>DRAWING REVISION: 31 JANUARY 2017</small>	

KEY PLAN

1

2

3

4

5

D

C

B

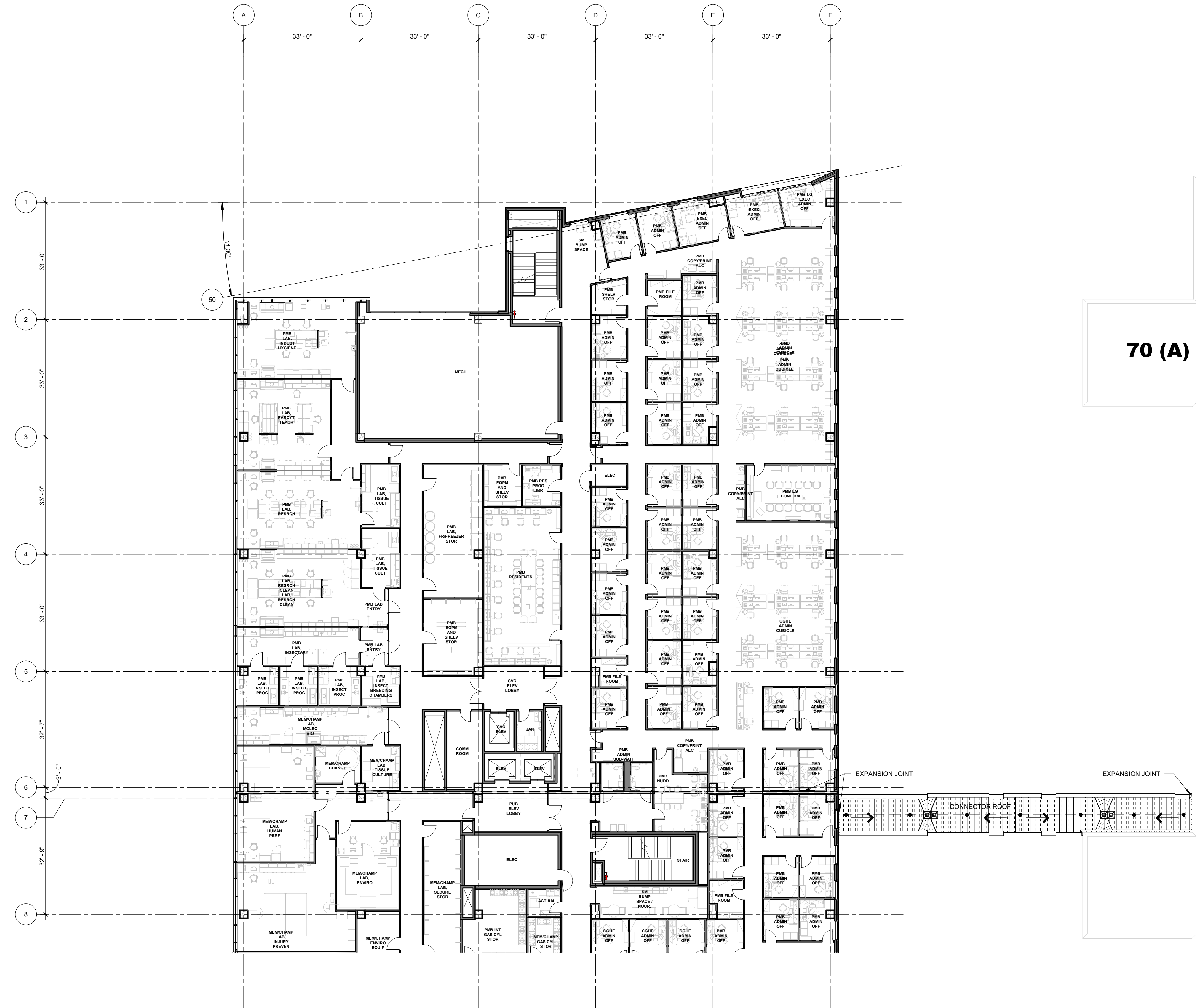
A

D

C

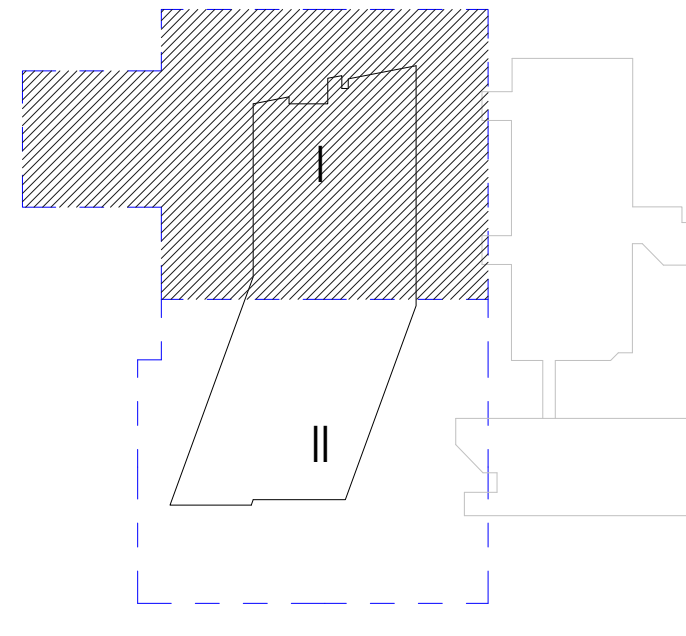
B

A





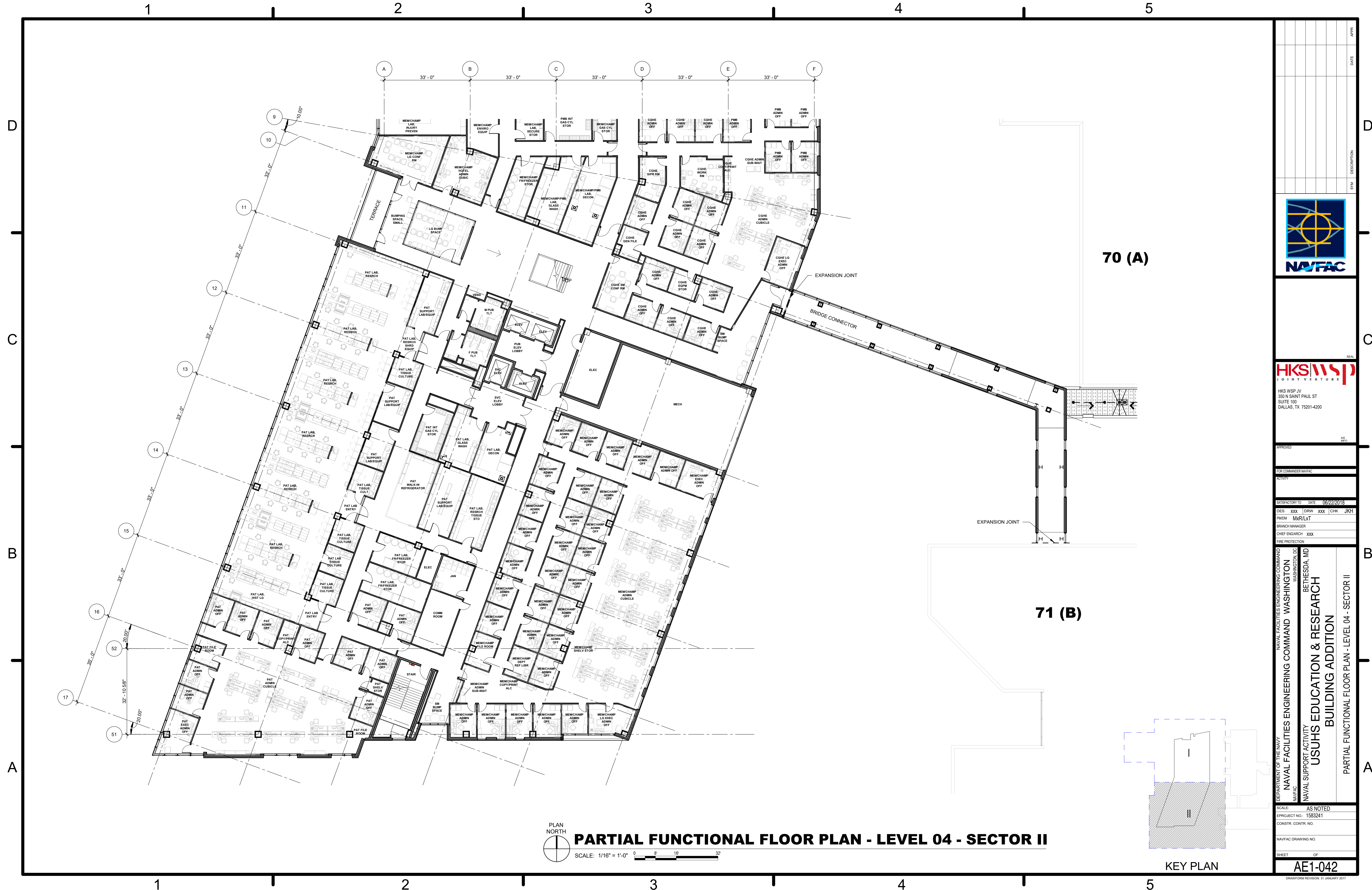
PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 04 - SECTOR I

SCALE: 1/16" = 1'-0" 0 8 16 32

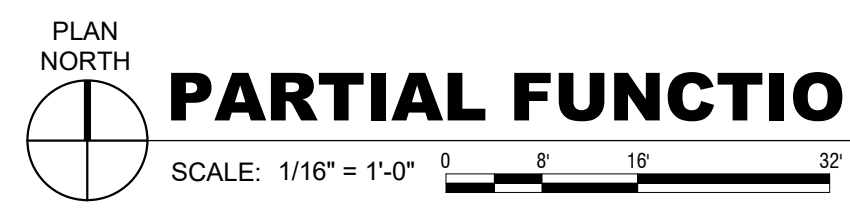




KEY PLAN

DATE	APP'R
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REF
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/2018
DES XXX	DRW XXX
CHKM	JKH
PMDM MrRLKT	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 04 - SECTOR I	
SCALE:	AS NOTED
EPROJCT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-041	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	



PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 04 - SECTOR II



DATE	APP'R
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES XXX	DRW XXX
CHKM	JKH
PMDM MrRLT	
BRANCH MANAGER	
CHIEF ENGINEER XXXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC NAVFAC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 04 - SECTOR II	
SCALE:	AS NOTED
EPROJCT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-042 <small>DRAWING REVISION: 31 JANUARY 2017</small>	

1

2

3

4

5

D

C

B

A

D

C

B

A

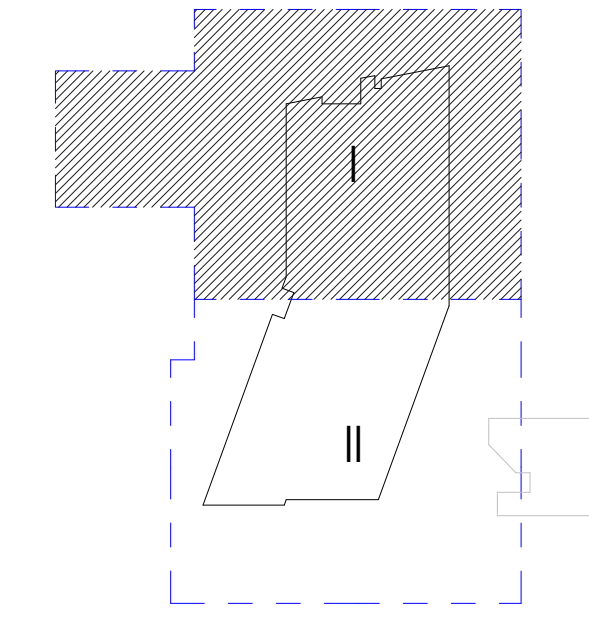


70 (A)



PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 05 - SECTOR I

SCALE: 1/16" = 1'-0" 0 8 16 32



KEY PLAN



HKS WSP JV
350 N SAINT PAUL ST
SUITE 100
DALLAS, TX 75201-4200

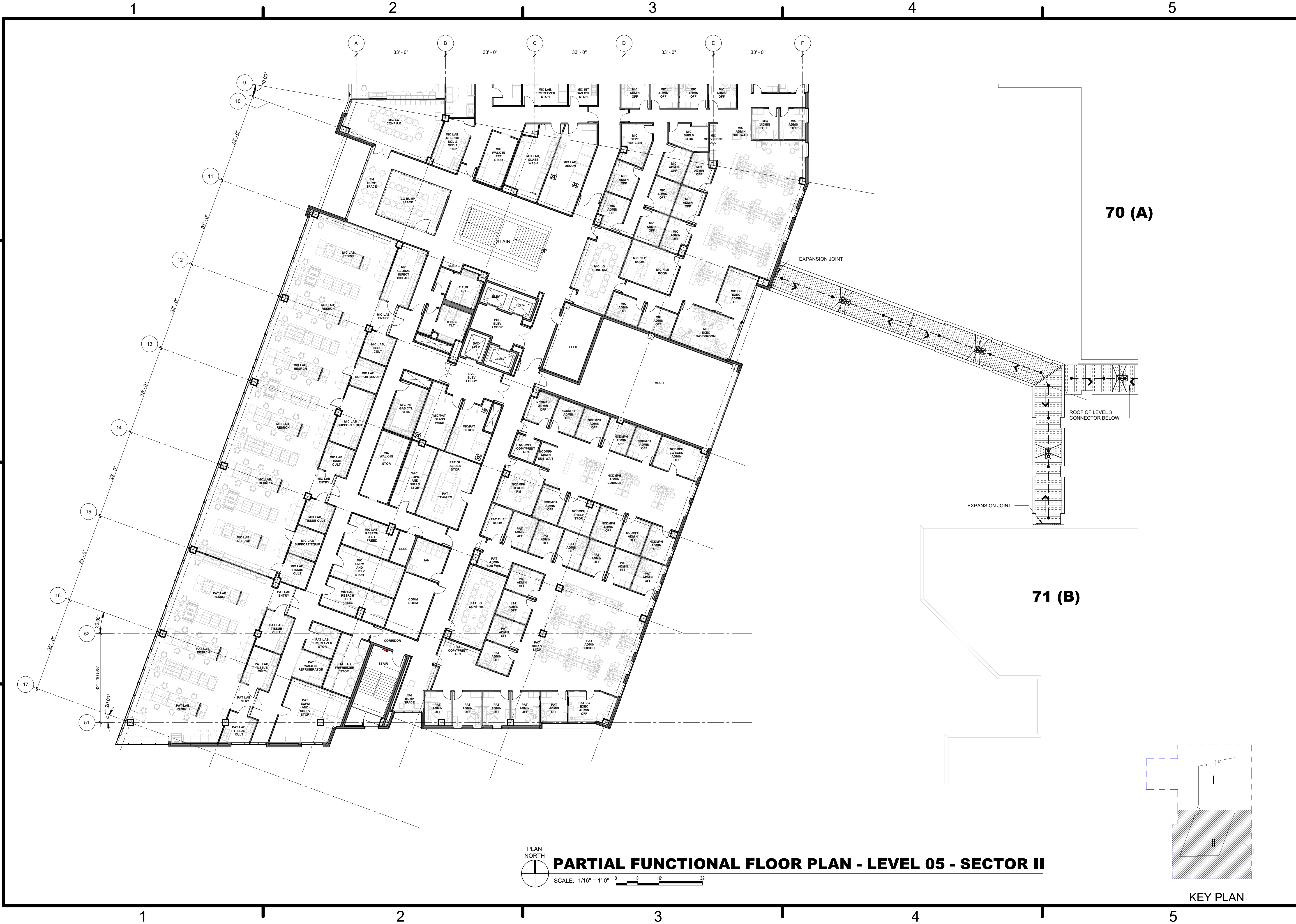
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE 08/22/2018
DES XXX | DRW XXX | CHK JKH
PMDM MrRLKT
BRANCH MANAGER
CHIEF ENGINEER XXXX
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC
NAVFAC
NAVAL SUPPORT ACTIVITY BETHESDA, MD
USUHS EDUCATION & RESEARCH BUILDING ADDITION
PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 05 - SECTOR I

SCALE: AS NOTED
EPROJCT NO: 1583241
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
SHEET OF

AE1-051

DRAWING REVISION: 31 JANUARY 2017



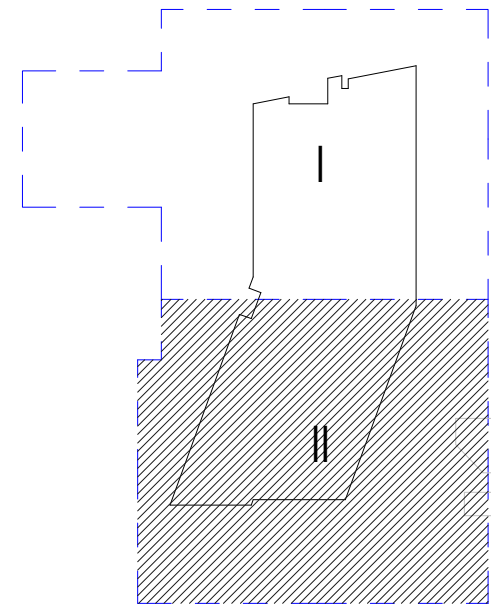
70 (A)

71 (B)





PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 05 - SECTOR II

SCALE: 1/16" = 1'-0"

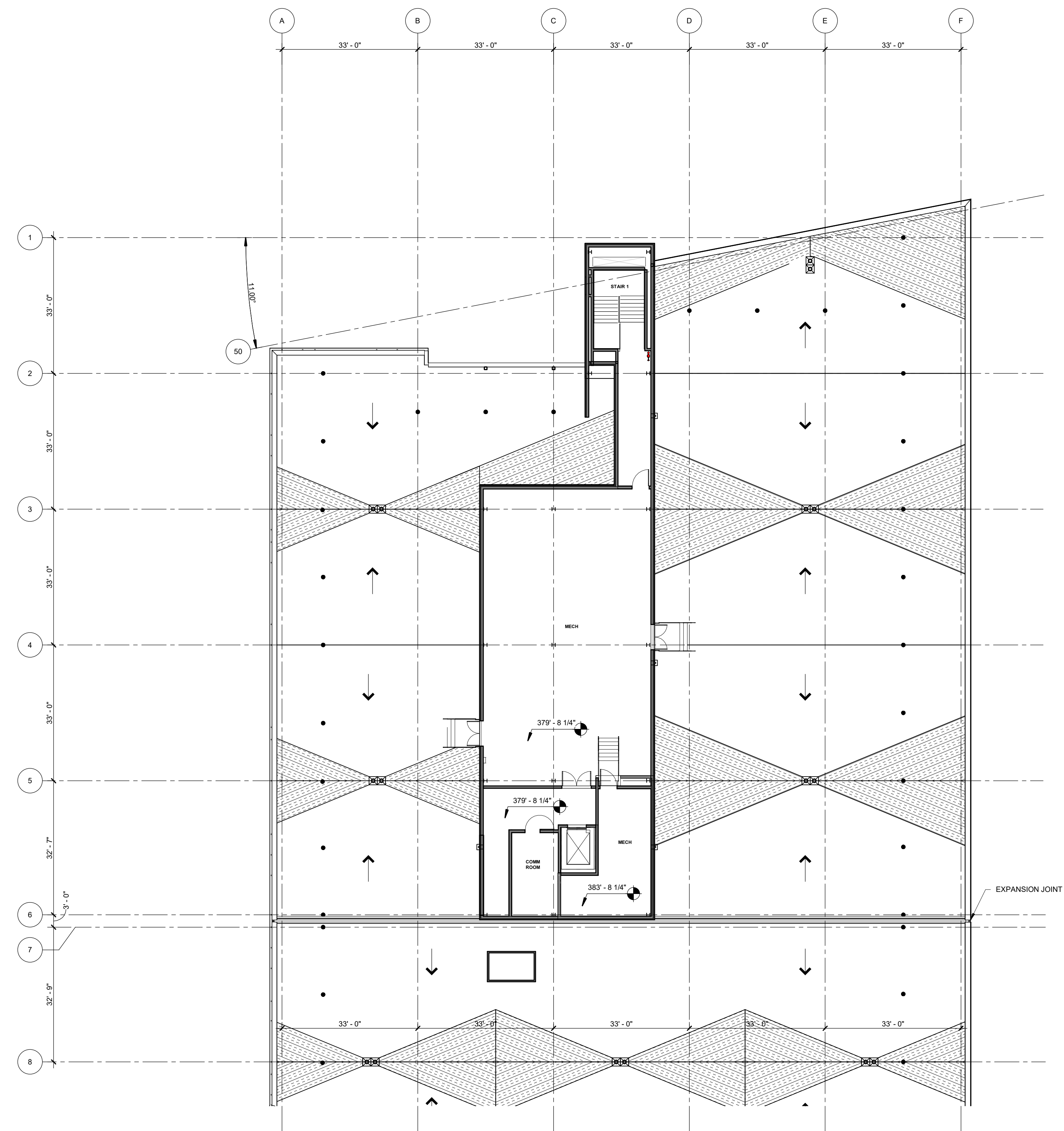


KEY PLAN

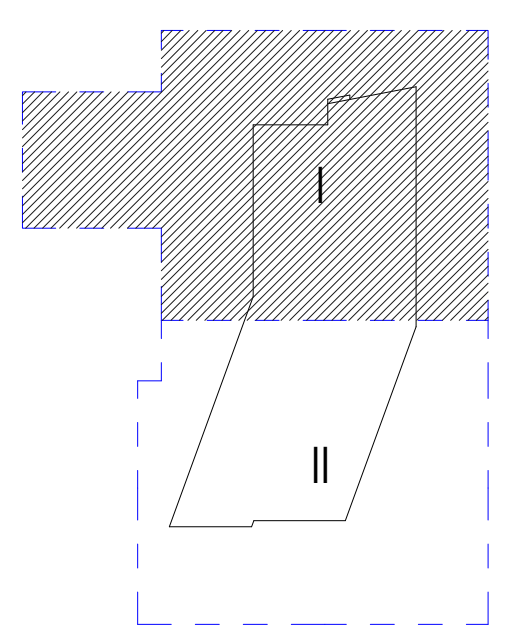
DATE	APP'D
DESCRIPTION	SYN
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE/REG
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES XXX	08/22/2018
DRW XXX	CHK JKH
PMID MrRLT	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC	WASHINGTON WASHINGTON DC
NAVAL SUPPORT ACTIVITY	BETHESDA, MD
USUHS EDUCATION & RESEARCH BUILDING ADDITION	
PARTIAL FUNCTIONAL FLOOR PLAN - LEVEL 05 - SECTOR II	
SCALE:	AS NOTED
EPROJCT NO:	1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-052	
<small>DRAWING REVISION: 31 JANUARY 2017</small>	

1 2 3 4 5



D
C
B
A



PLAN NORTH
PARTIAL FUNCTIONAL FLOOR PLAN - ROOF LEVEL - SECTOR I
 SCALE: 1/16" = 1'-0" 0 8' 16' 32'



KEY PLAN

SYMBOL	DESCRIPTION	DATE	APP'R
			
			
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200			
APPROVED	AE	REQ	
FOR COMMANDER NAVFAC			
ACTIVITY			
SATISFACTORY TO	DATE	08/22/2018	
DES	XXX	DRW	XXX
CHK	JKH		
PMDM	MJR/LKT		
BRANCH MANAGER			
CHIEF ENGINEER XXXX			
FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON DC NAVFAC WASHINGTON DC NAVAL SUPPORT ACTIVITY BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FUNCTIONAL FLOOR PLAN - ROOF LEVEL - SECTOR I			
SCALE:	AS NOTED		
EPROJCT NO:	1583241		
CONSTR. CONTR. NO.			
NAVFAC DRAWING NO.			
SHEET	OF		
AE1-061			
<small>DRAWING REVISION: 31 JANUARY 2017</small>			

1 2 3 4 5

1

2

3

4

5

D

C

B

A

D

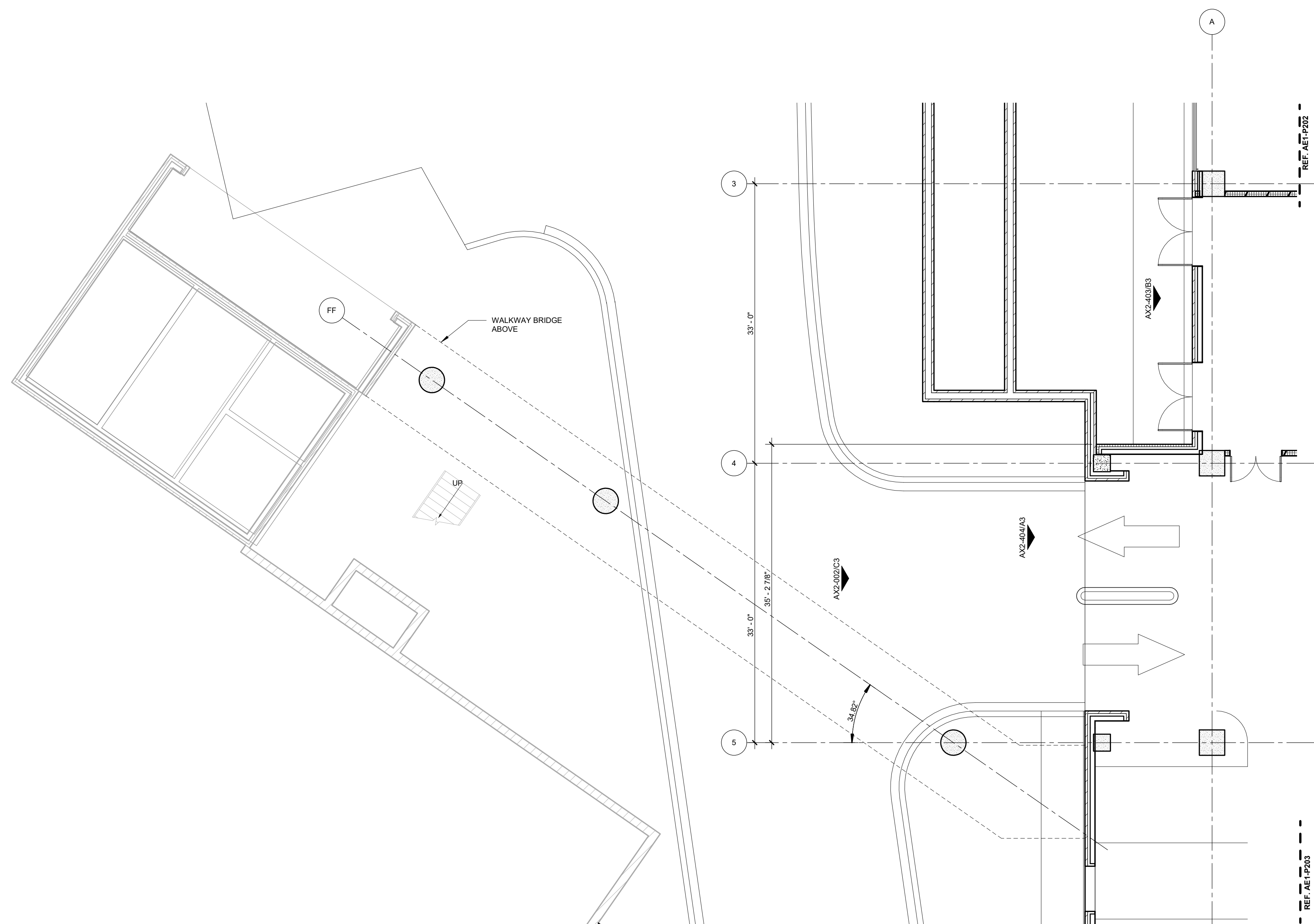
C

B

A

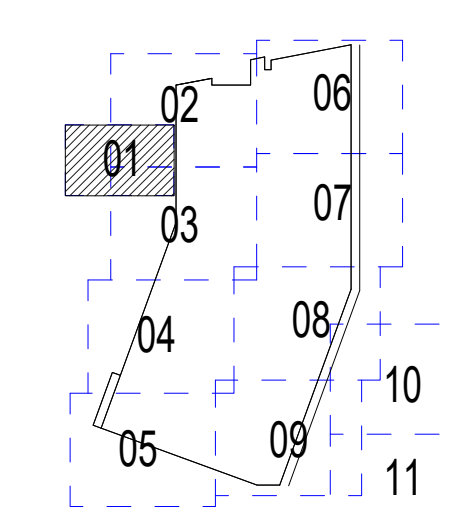
GENERAL NOTES - FLOOR PLAN

1. REFER TO SHEET AE6.001 FOR PARTITION TYPES, GRAPHIC AND SYMBOLIC DESIGNATIONS, NOTES, AND DETAILS.
2. REFER TO SHEET IN1.0A03 FOR WALL PROTECTION ASSEMBLY INFORMATION AND DETAILS.
3. REFER TO "IN1" SERIES SHEETS FOR FINISH INFORMATION, SCHEDULES AND SPECIALTY INTERIOR ELEVATION REFERENCES.
4. REFER TO "GQ1" SERIES SHEETS FOR CASEWORK DETAILS AND INFORMATION.
5. REFER TO SHEET AE6.060 FOR INTERIOR EXPANSION JOINT DETAILS.
6. REFER TO "AX2" SERIES SHEETS FOR EXTERIOR ELEVATIONS.
7. REFER TO "AX4" SERIES SHEETS FOR STAIR AND ELEVATOR SECTIONS AND DETAILS.
8. ALL EXTERIOR DIMENSIONS ARE FROM FACE OF EXTERIOR FINISH, U.N.O.
9. MASONRY DIMENSIONS ARE NOMINAL, U.N.O.



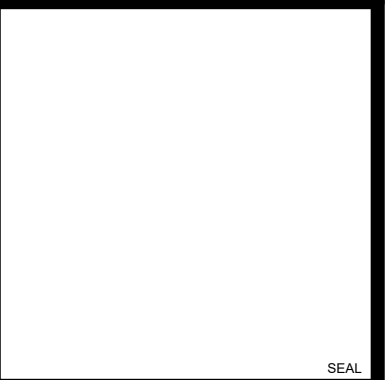
PARTIAL FLOOR PLAN - LOWER PARKING LEVEL P2 - SECTOR 01

SCALE: 1/8" = 1'-0" 0 4 8 16'



KEY PLAN

REV	DESCRIPTION	DATE	APP'D



HKS WSP JV
 350 N SAINT PAUL ST
 SUITE 100
 DALLAS, TX 75201-4200

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE 08/22/18

DES xxx | DRW xxx | CHK JKH

PM/DM Mr/LKT

BRANCH MANAGER

CHIEF ENGINEER xxx

FIRE PROTECTION

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON WASHINGTON DC

NAVFAC

NAVAL SUPPORT ACTIVITY BETHESDA, MD

USUHS EDUCATION & RESEARCH BUILDING ADDITION

PARTIAL FLOOR PLAN - LOWER PARKING LEVEL P2 - SECTOR 01

SCALE: AS NOTED

EPROJECT NO: 1583241

CONSTR. CONTR. NO.

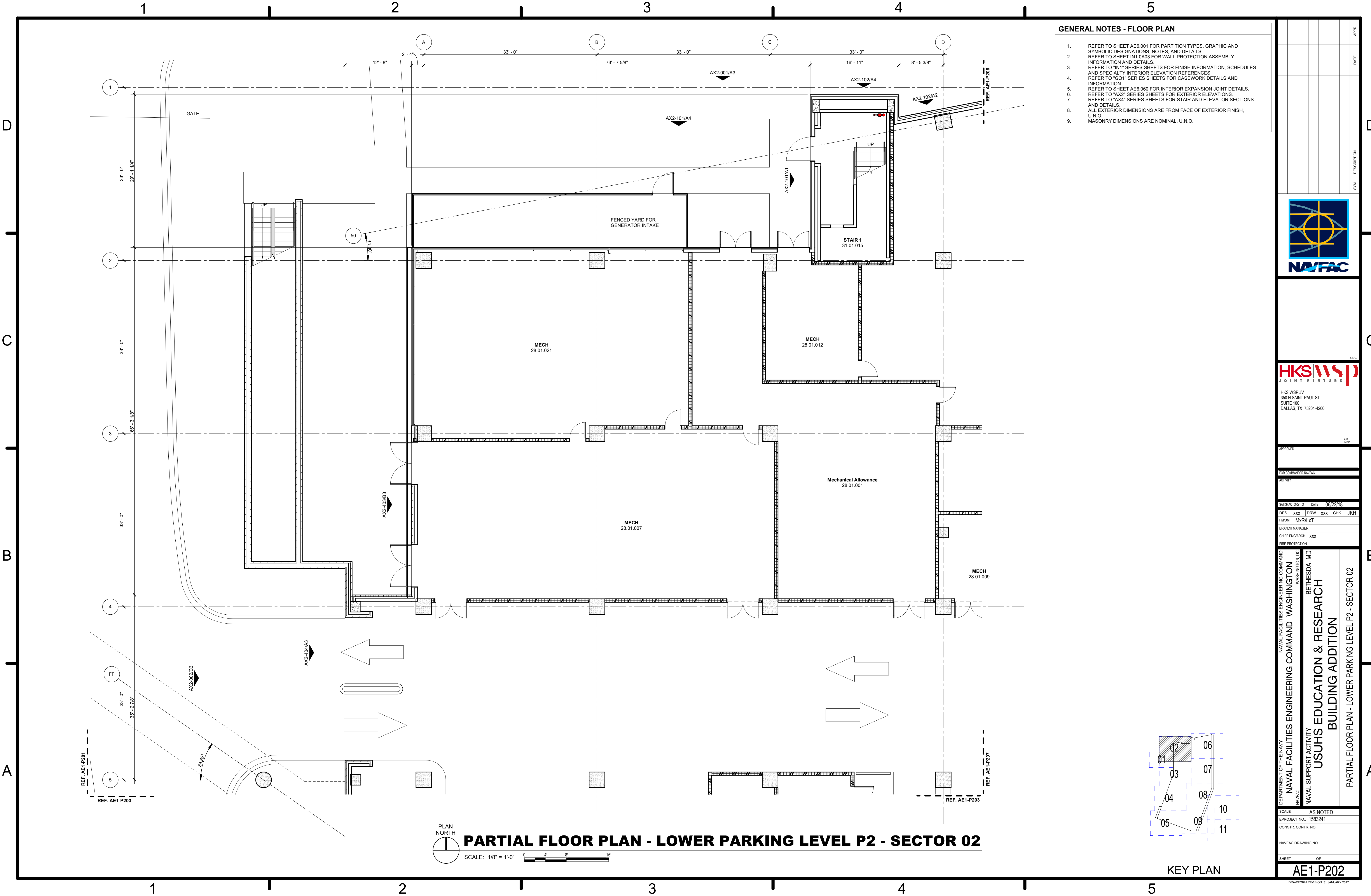
NAVFAC DRAWING NO.

SHEET OF

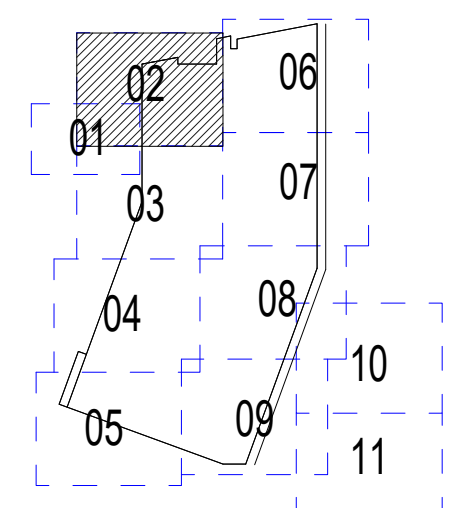
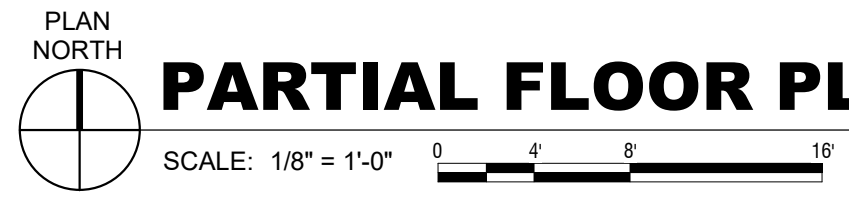
AE1-P201

DRAWING REVISION: 31 JANUARY 2017

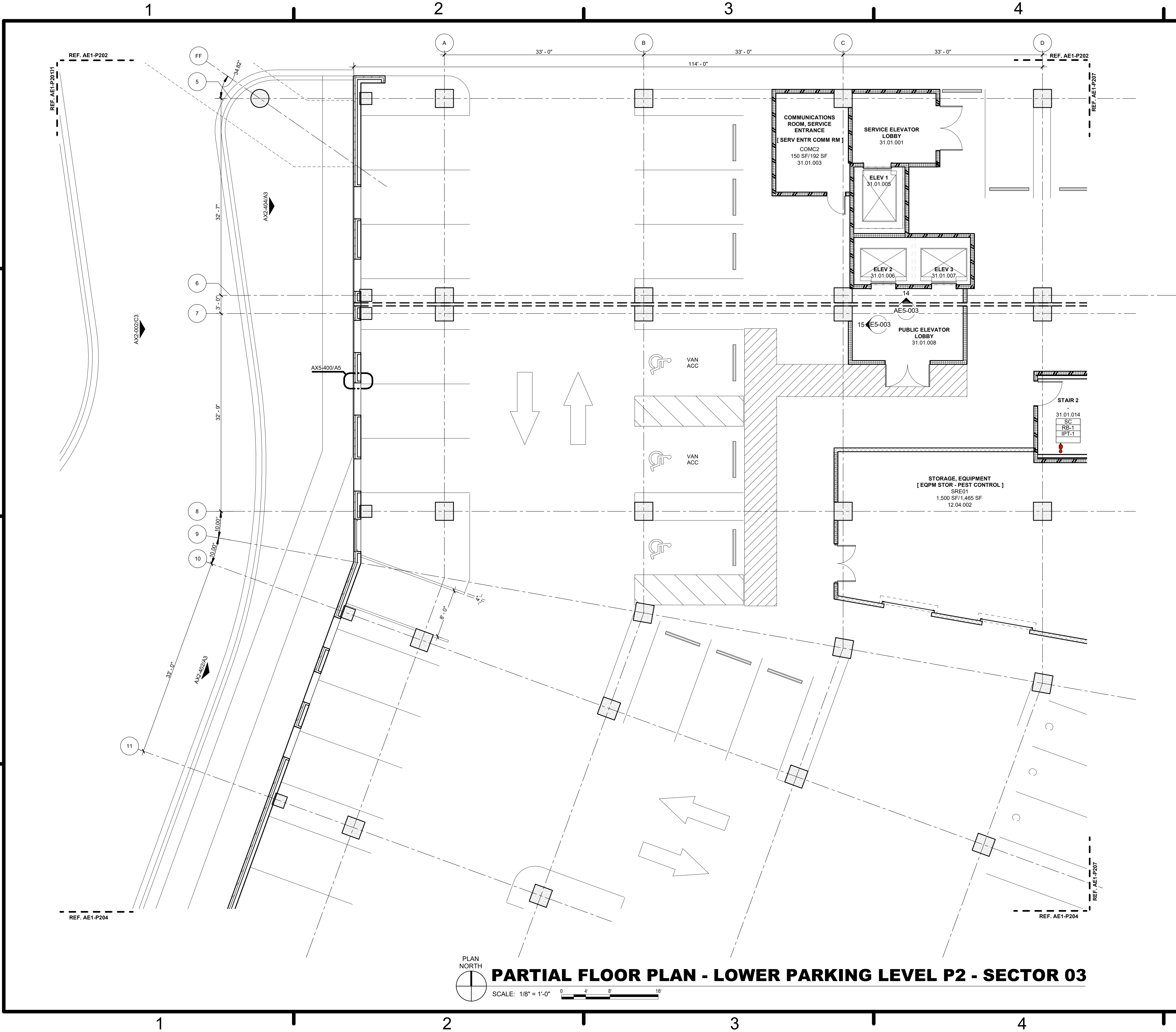
- GENERAL NOTES - FLOOR PLAN**
- REFER TO SHEET AE6.001 FOR PARTITION TYPES, GRAPHIC AND SYMBOLIC DESIGNATIONS, NOTES, AND DETAILS.
 - REFER TO SHEET IN1.0A03 FOR WALL PROTECTION ASSEMBLY INFORMATION AND DETAILS.
 - REFER TO "IN1" SERIES SHEETS FOR FINISH INFORMATION, SCHEDULES AND SPECIALTY INTERIOR ELEVATION REFERENCES.
 - REFER TO "GQ1" SERIES SHEETS FOR CASEWORK DETAILS AND INFORMATION.
 - REFER TO SHEET AE6.060 FOR INTERIOR EXPANSION JOINT DETAILS.
 - REFER TO "AX2" SERIES SHEETS FOR EXTERIOR ELEVATIONS.
 - REFER TO "AX4" SERIES SHEETS FOR STAIR AND ELEVATOR SECTIONS AND DETAILS.
 - ALL EXTERIOR DIMENSIONS ARE FROM FACE OF EXTERIOR FINISH, U.N.O.
 - MASONRY DIMENSIONS ARE NOMINAL, U.N.O.



PARTIAL FLOOR PLAN - LOWER PARKING LEVEL P2 - SECTOR 02

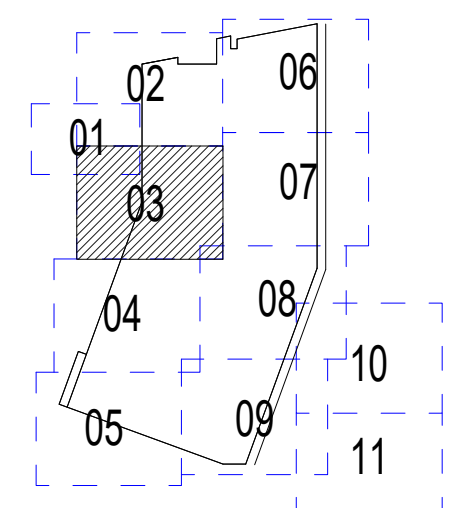


DATE	APP'R
DESCRIPTION	BY
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REF
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE 08/22/18
DES XXX	DRW XXX
CHKM	JKH
PMDM Mr/LKT	
BRANCH MANAGER	
CHIEF ENGINEER XXX	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON DC NAVFAC WASHINGTON DC NAVFAC BETHESDA, MD USUHS EDUCATION & RESEARCH BUILDING ADDITION PARTIAL FLOOR PLAN - LOWER PARKING LEVEL P2 - SECTOR 02	
SCALE: AS NOTED	EPROJCT NO: 1583241
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-P202 <small>DRAWING REVISION: 31 JANUARY 2017</small>	





- GENERAL NOTES - FLOOR PLAN**
1. REFER TO SHEET AE6.001 FOR PARTITION TYPES, GRAPHIC AND SYMBOLIC DESIGNATIONS, NOTES, AND DETAILS.
 2. REFER TO SHEET IN1.0A03 FOR WALL PROTECTION ASSEMBLY INFORMATION AND DETAILS.
 3. REFER TO "IN1" SERIES SHEETS FOR FINISH INFORMATION, SCHEDULES AND SPECIALTY INTERIOR ELEVATION REFERENCES.
 4. REFER TO "GQ1" SERIES SHEETS FOR CASEWORK DETAILS AND INFORMATION.
 5. REFER TO SHEET AE6.060 FOR INTERIOR EXPANSION JOINT DETAILS.
 6. REFER TO "AX2" SERIES SHEETS FOR EXTERIOR ELEVATIONS.
 7. REFER TO "AX4" SERIES SHEETS FOR STAIR AND ELEVATOR SECTIONS AND DETAILS.
 8. ALL EXTERIOR DIMENSIONS ARE FROM FACE OF EXTERIOR FINISH, U.N.O.
 9. MASONRY DIMENSIONS ARE NOMINAL, U.N.O.

PARTIAL FLOOR PLAN - LOWER PARKING LEVEL P2 - SECTOR 03
 SCALE: 1/8" = 1'-0" 0 4 8 16'



KEY PLAN

DATE	APP'D
DESCRIPTION	BY
	
	
HKS WSP JV 350 N SAINT PAUL ST SUITE 100 DALLAS, TX 75201-4200	
APPROVED	AE REF
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES: xxx	DRW: xxx
CHK: JKH	
PM/DM: Mr/Lt	
BRANCH MANAGER	
CHIEF ENGINEER	xxx
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, WASHINGTON DC NAVFAC USUHS EDUCATION & RESEARCH BUILDING ADDITION BETHESDA, MD NAVAL SUPPORT ACTIVITY	
PARTIAL FLOOR PLAN - LOWER PARKING LEVEL P2 - SECTOR 03	
SCALE: AS NOTED	
EPROJCT NO: 1583241	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	OF
AE1-P203	
DRAWING REVISION: 31 JANUARY 2017	