POLIFKA DRIVE

NOTES:

1) CONTRACTOR SHALL SAWCUT ALL PAVEMENT EDGES AND EITHER SAWCUT CURB & GUTTER OR REMOVE AT AN EXISTING JOINT.

2) CONTRACTOR SHALL OBTAIN DIGGING PERMIT FROM BASE PRIOR TO ANY EXCAVATION AROUND EXISTING UTILITIES. PROTECT ALL EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE.

3) CONTRACTOR SHALL ASSUME, FOR BIDDING PURPOSES, ALL WATER LINES HAVE 36" COVER.

4) CONTRACTOR SHALL REFER TO MECHANICAL PLANS FOR PHASING OF ALL DEMOLITION AND NEW CONSTRUCTION. DEMOLITION OF STEAM LINES INCLUDED REMOVAL AND DISPOSAL.

5) CONTRACTOR SHALL PROVIDE NEW PAVEMENT MARKINGS AT PAVEMENT REPAIR AREAS (I.E. STOP BARS, ETC.)

TBM
TOP OF FIRE HYDRANT
ELEV.=278.71

TOP=280.36
BOTTOM=274.28
I.E.=277.34(OUT)
I.E.=±276.8(IN)

TOP=271.01
BOTTOM=259.43
BOTTOM SUMP(INACC.)

TOP=271.38
I.E.=264.93
(SERVICES PLUGGED)

TOP 1=267.29
TOP 2=268.10
BOTTOM=257.69
I.E.=264.21(6")

TOP=270.50
I.E.=268.70

TOP=272.00
BOTTOM=263.35
BOTTOM SUMP=263.35

TOP=268.63
I.E.=264.17(IN)
I.E.=264.94(IN)
I.E.=264.09(OUT)

TOP=267.34
I.E.=262.88

I.E.=262.14

I.E.=260.08

TOP=267.70
I.E.=259.84

TOP=267.43
BOTTOM=256.87

I.E.=259.84

TOP=266.87
I.E.=263.77(CONC)
I.E.=262.90(IN)
I.E.=262.90(OUT)

REMOVE CURB & GUTTER AND SIDEWALK. REPLACE TO MATCH EXISTING

REMOVE CURB & GUTTER AND SIDEWALK. REPLACE TO MATCH EXISTING

REMOVE CURB & GUTTER REPLACE TO MATCH EXISTING. (TYPICAL)

PAVEMENT TRENCHING & REPAIR

REMOVE PLANTER

REMOVE CONCRETE NOT REQUIRED TO BE REPLACED

REMOVE TREE

REMOVE STEAM PIT

SEE NOTE 4

NOTE: SEE SHEET M-2 FOR DEMOLITION CLARIFICATION.

STATE PLANE

N

6" CURB

LIBRARY 405

DORM. 427

FFE=271.87

FORDYCE

TREE LEGEND

- ● – TREE SYMBOL
- C – CEDAR
- H – HOLLY
- PALM – PALM
- P – PINE
- SG – SWEET GUM
- O – OAK
- LO – LIVE OAK
- PO – PIN OAK
- TO – TURKEY OAK
- WO – WATER OAK
- DW – DOGWOOD
- CL – CHERRY LAUREL
- (DBL) – DOUBLE TREE
- (TRIP) – TRIPLE TREE

LEGEND

- ⊙ PP – POWER POLE
- ☼ LP – LIGHT POLE
- ——~—— – OVERHEAD UTILITY LINE
- ——€ GW – GUY WIRE
- TEL – TELEPHONE
- DMP – DUMPSTER
- RRT – VERTICAL RAILROAD TIE
- ⊸ – SIGN
- FH – FIRE HYDRANT
- ⋈ WV – WATER VALVE
- ——W—— – WATER LINE
- Ⓢ SSMH – SANITARY SEWER MANHOLE
- ——S—— – SANITARY SEWER LINE
- STM – STEAM
- —UGSTM— – UNDERGROUND STEAM LINE
- ——G—— – GAS LINE
- ⋈ GV – GAS VALVE
- Ⓓ SDMH – STORM DRAINAGE MANHOLE
- ☐ DI – DROP INLET
- ☐ CI – CURB INLET
- ========> – STORM DRAIN PIPE
- PVC – POLYVINYL CHLORIDE
- RCP – REINFORCED CONCRETE PIPE
- x 28.75 – SPOT ELEVATION
- ~~35~~ – CONTOUR LINE
- ▨ – DEMOLITION AREAS
- ▨ – DEMOLITION OF STEAM LINES
- ╳18"P – DEMOLITION OF TREES
- —NUSTM— – NEW UNDERGROUND STEAM LINE

DETAIL/SECTION INDICATOR

DETAIL/SECTION NUMBER

SHEET ON WHICH DETAIL/SECTION IS DEPICTED

VERT. DATUM: NGVD1929
HORZ. DATUM: 1927

GRAPHIC SCALE

20 0 20 40
(IN FEET)
1 inch = 20 ft.

KBJ Architects, Inc. AAC0000
510 North Julia Street
Jacksonville, Florida 32202

DSGN FORSBERG L.ROBINSON CHK FORSBERG
SUPV CH ENGR

SUBMITTED BY (FIRM MEMBER-TITLE): PARTNER 15 JUNE 2001
TECHNICAL BRANCH DATE
PRE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd
A	ASBUILT	RB	01/19/03	

SUMTER, S.C.
SHAW AIR FORCE BASE

FACILITY – STEAM LINE
DINING FACILITY
EXISTING SITE & DEMOLITION PLAN

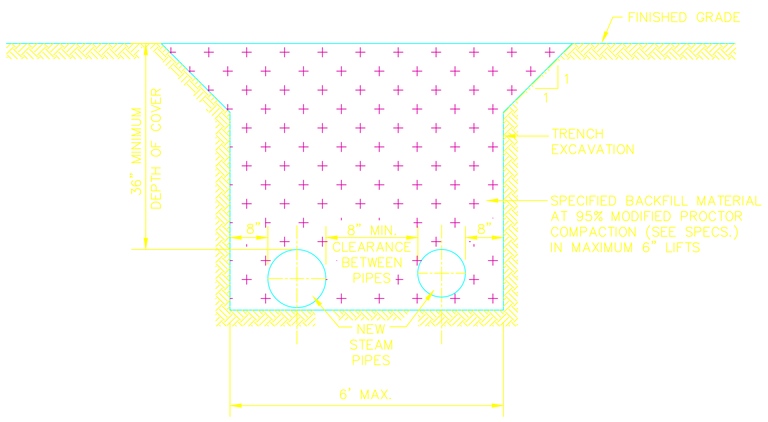
APPROVED
DATE
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

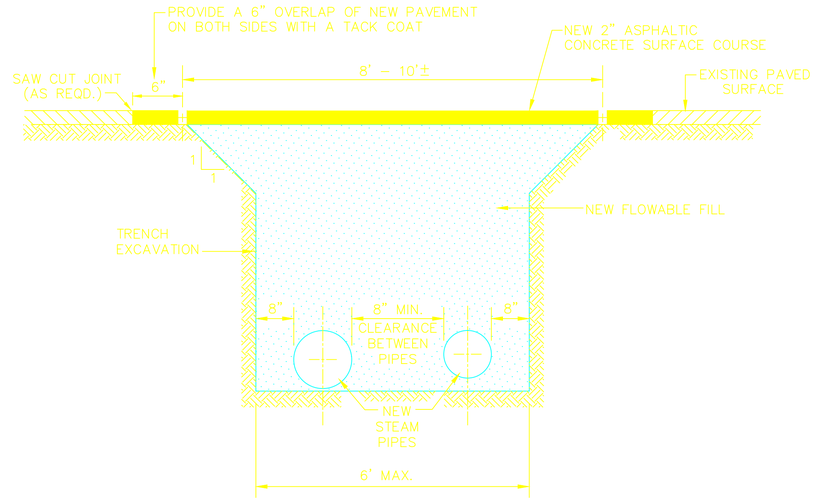
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO.06-01-0397
CONSTRN. CONTR. NO. N62467-01-C-0397
NAVFAC DRAWING NO. 5385550
SHEET 5 OF

C1



STEAM LINE TRENCH DETAIL 1/C2

NOT TO SCALE



PAVEMENT TRENCHING DETAIL 2/C2

NOT TO SCALE

DETAIL/SECTION INDICATOR

DETAIL/SECTION NUMBER

SHEET ON WHICH DETAIL/ SECTION IS DEPICTED

KBJ Architects, Inc. AAC0000
510 North Julia Street
Jacksonville, Florida 32202

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd
	ASBUILT			

DSGN FORSBERG DR L.ROBINSON CHK FORSBERG
SUPV CH ENGR

SUBMITTED BY (FIRM MEMBER-TITLE): PARTNER 15 JUNE 2001
TECHNICAL BRANCH DATE

PRE

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY – STEAM LINE

CONSTRUCTION DETAILS

APPROVED

DATE

EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO.06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385551
SHEET 6 OF

C2

LEGEND

NEW	EXISTING	
⊙ PP	⊙ PP	– POWER POLE
	☼ LP	– LIGHT POLE
	~~	– OVERHEAD UTILITY LINE
	----€ GW	– GUY WIRE
	TEL	– TELEPHONE
	DMP	– DUMPSTER
	RRT	– VERTICAL RAILROAD TIE
	⊓	– SIGN
	FH	– FIRE HYDRANT
⋈ WV	⋈ WV	– WATER VALVE
NW	W	– WATER LINE
Ⓢ SSMH	Ⓢ SSMH	– SANITARY SEWER MANHOLE
NW	S	– SANITARY SEWER LINE
	STM	– STEAM
	UGSTM	– UNDERGROUND STEAM LINE
NG	G	– GAS LINE
	⋈ GV	– GAS VALVE
	Ⓓ SDMH	– STORM DRAINAGE MANHOLE
▣ DI	▢ DI	– DROP INLET
▣ CI	▢ CI	– CURB INLET
		– STORM DRAIN PIPE
	PVC	– POLYVINYL CHLORIDE
	RCP	– REINFORCED CONCRETE PIPE
x 39.11	x 28.75	– SPOT ELEVATION
(38)	38	– CONTOUR LINE
		– ASPHALT PAVEMENT
		– CONCRETE
		– ASPHALT OVERLAY
⧈ PIV		– POST INDICATOR VALVE
SSCO		– SANITARY SEWER CLEANOUT
		– DRAINAGE FLOW ARROW
		– TREE PROTECTION BARRICADE
		– DEMOLITION AREAS
		– DEMOLITION OF UTILITIES
	18"P	– DEMOLITION OF TREES
	SB B-10	– SOIL BORING
SF		– SILT FENCE
NUSTM		– NEW STEAM LINE

TREE LEGEND

- • – TREE SYMBOL
- C – CEDAR
- H – HOLLY
- PALM – PALM
- P – PINE
- SG – SWEET GUM
- O – OAK
- LO – LIVE OAK
- PO – PIN OAK
- TO – TURKEY OAK
- WO – WATER OAK
- (DBL) – DOUBLE TREE
- (TRIP) – TRIPLE TREE

DETAIL/SECTION INDICATOR

DETAIL/SECTION NUMBER

SHEET ON WHICH DETAIL/ SECTION IS DEPICTED

BID ITEMS (CIVIL)

BID ITEM 0002:
INCLUDES THE DEMOLITION AND WORK NECESSARY TO CONSTRUCT THE NEW 80 SPACE PARKING AREA. ALL NEW WORK ASSOCIATED WITH THIS PARKING AREA IS INCLUDED.

BID ITEM 0003:
INCLUDES THE DEMOLITION AND WORK NECESSARY TO CONSTRUCT THE NEW 13 SPACE PARKING AREA AND CONNECTOR STREET (JOHNSON STREET.) ALL NEW WORK ASSOCIATED WITH THIS PARKING AREA AND CONNECTOR STREET IS INCLUDED.

BID ITEM 0004:
INCLUDES THE DEMOLITION AND WORK NECESSARY TO CONSTRUCT THE NEW ENTRY DRIVE & WALKS. ALL NEW WORK ASSOCIATED WITH THESE ITEMS IS INCLUDED.

EROSION CONTROL NOTES

1) IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED DAILY UNTIL THE SLOPE IS BROUGHT TO GRADE.

2) STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN TWENTY-ONE (21) DAYS.

3) ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS OF AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (0.5) INCH. DAMAGED OF INEFFECTIVE DEVICES SHALL BE REPAIRED OF REPLACED, AS NECESSARY.

4) PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.

5) ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

6) THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

7) CONTRACTOR SHALL INSTALL CHECK DAMS (SILT FENCING, OR RIP RAP AS REQUIRED) ON ANY TEMPORARY DRAINAGE DITCHES, SWALES USED DURING CONSTRUCTION.

8) ALL DISTURBED AREAS NOT SHOWN AS SODDED OR LANDSCAPED SHALL BE SEEDED PER SCDOT STANDARD SPECIFICATIONS.

GENERAL CONSTRUCTION SEQUENCING

1.) PROVIDE & INSTALL SILT FENCING & TEMPORARY CONSTRUCTION ACCESS.

2.) COMPLETE DEMOLITION OF PAVEMENTS & UTILITIES.

3.) COMPLETE NEW STEAM LINES.

4.) GRADING FOR NEW BUILDING & PARKING.

5.) COMPLETE NEW STORM DRAINAGE AND PROTECT WITH INLET PROTECTIONS.

6.) COMPLETE BUILDING AND PARKING.

7.) FINAL GRADING AND LANDSCAPING.

8.) REMOVE TEMPORARY EROSION CONTROL MEASURES AND REMOVE ANY ACCUMULATED SEDIMENTATION FROM SITE AND ALL INLETS, BASINS.

KBJ Architects, Inc. AAC0000
510 North Julia Street
Jacksonville, Florida 32202

DSGN: FORSBERG DR: L.ROBINSON CH: FORSBERG
SUPV: CH ENGR

SUBMITTED BY (FRM MEMBER-TITLE): PARTNER 15 JUNE 2001
TECHNICAL BRANCH DATE

PRE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

CIVIL LEGEND

DATE

EFD FOR COMMANDER, NAVFAC

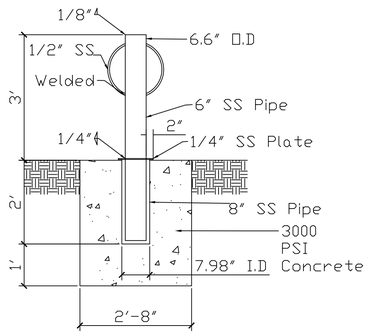
APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

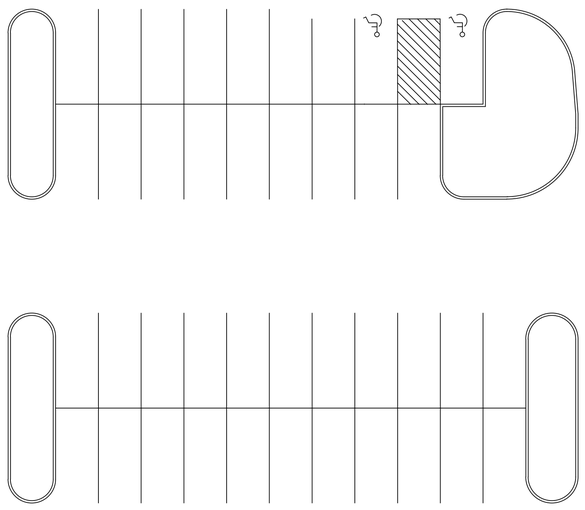
RECORD DRAWING DATE

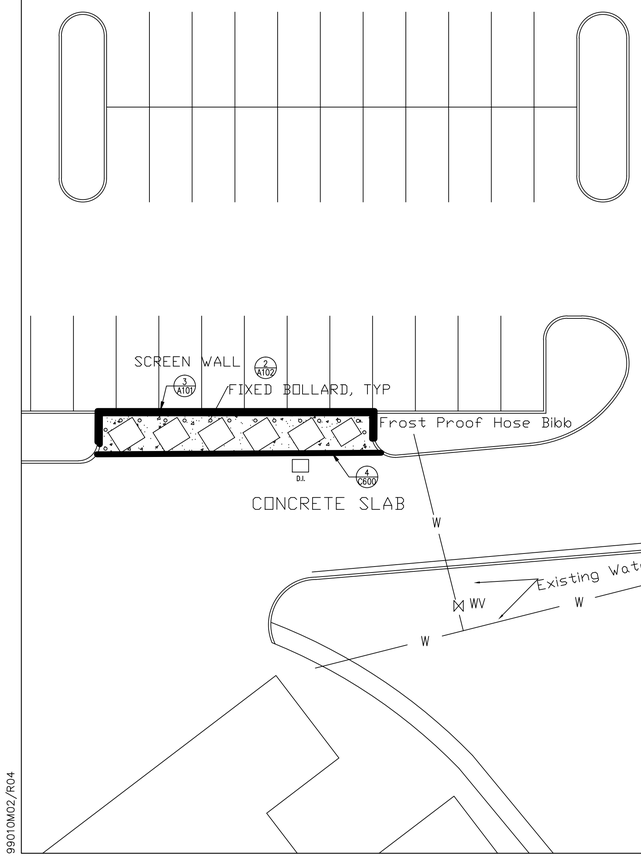
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO.06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385560
SHEET 15 OF

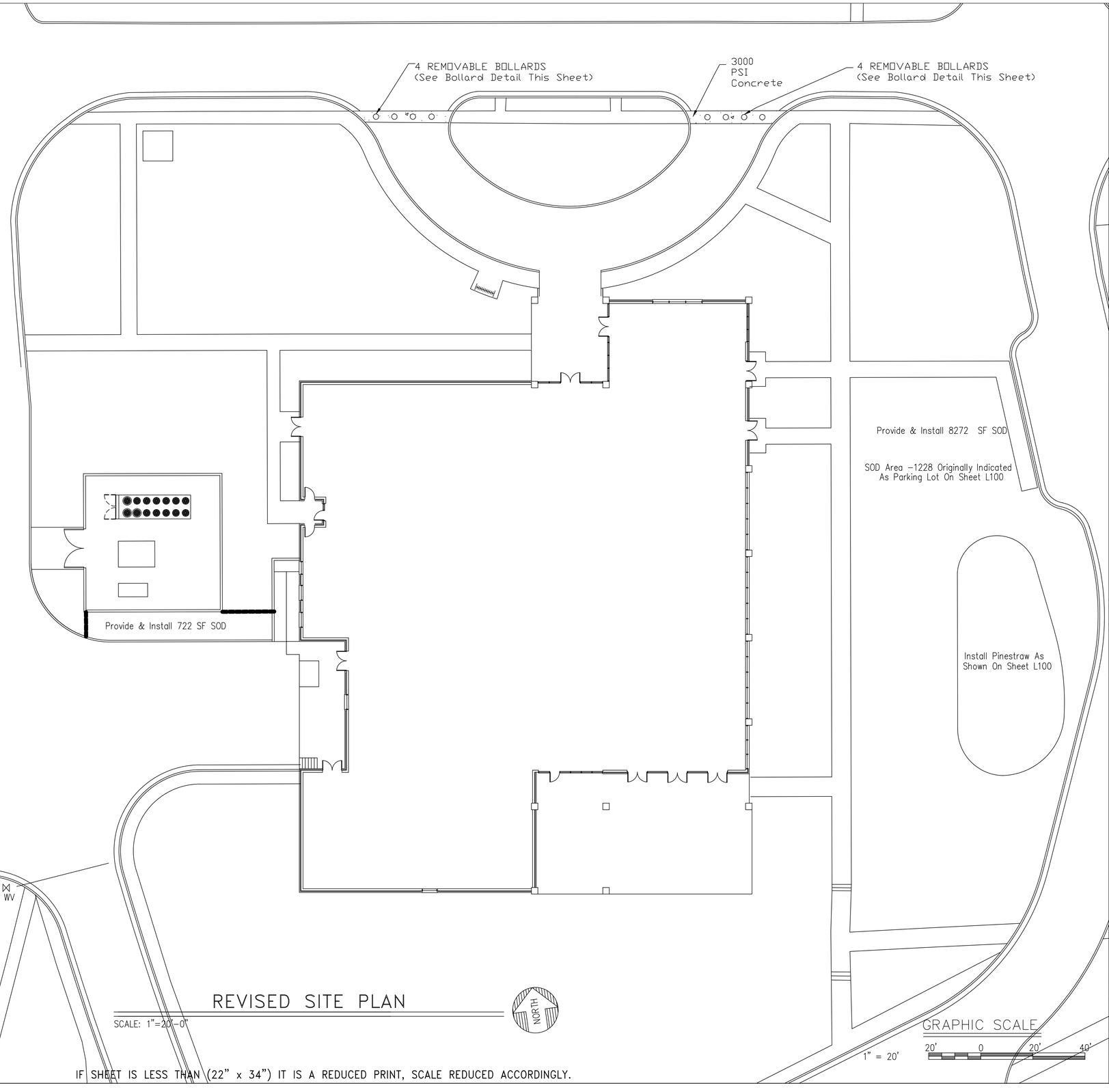
C100



Removable Bollard Detail







REVISED SITE PLAN

SCALE: 1"=20'-0"

NORTH

GRAPHIC SCALE

1" = 20'

20' 0 20' 40'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M02/R04

DESIGNED (P.E. PRINT)
KBJ ARCHITECTS, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN	LEHOSIT	DR	THOMPSON
SUPV	VAN WAGENEN	CH	GREEN
SUBMITTED BY (FIRM ACCEPTED)	PARTNER	ENGR	RUTH
TECHNICAL BRANCH			DATE
FPE			

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd.
	AS BUILT			

SHAW AIR FORCE BASE

SUMTER, S.C.

DINING FACILITY - STEAM LINE

SITE PLAN - MECHANICAL DEMOLITION

APPROVED DATE

EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385554
SHEET	1 OF 1

02 AUGUST 2002

POLIFKA DRIVE

JOHNSON ST.

FORDYCE ST.

SEE MECHANICAL PLANS FOR NEW STEAM LINES

NOTE:
SEE MECHANICAL PLANS FOR NEW STEAM LINES

NOTE:
SEE SHEET C1 FOR
CIVIL LEGEND

VERT. DATUM: NGVD1929
HORZ. DATUM: 1927

GRAPHIC SCALE
20 0 20 40
(IN FEET)
1 inch = 20 ft.

403

LIBRARY
405
FFE=271.96

DORM.
427
FFE=271.87

DORMITORY 428
FFE=270.89

FFE=275.50

NEW 4" WASTE (-4.00 FFE)
NEW 3"ø WATER (DOMESTIC)
NEW 6"ø WATER (FIRE LINE)
SEE PLUMBING DRAWINGS

LAYER NEW 6"ø SEWER BELOW STORM DRAIN @ 0.50% (MINIMUM)

NEW 4"ø WASTE (-4.00 FFE) SEE SHEET P303

NEW 6"ø WASTE (-5.00 FFE) SEE SHEET P303

PROVIDE & INSTALL TWO 2000 GALLON GREASE TRAPS IN SERIES

NEW TAPPING SLEEVE

NEW WV

NEW SSCO

NEW DI

NEW CI

NEW PIV

LANDSCAPE TIMBERS

6" CURB

STATE PLANE

N

KBJ Architects, Inc. AAC0000
510 North Julia Street
Jacksonville, Florida 32202
DSGN FORSBERG SUPV L.ROBINSON CHF FORSBERG ENGR
SUBMITTED BY (FIRM MEMBER-TITLE): PARTNER 15 JUNE 2001
TECHNICAL BRANCH PRE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd.

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

UTILITY PLAN

DATE EFD FOR COMMANDER, NAVFAC APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO.06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385564
SHEET 19 OF

C500

TYPICAL PAVEMENT SECTION 1 C600

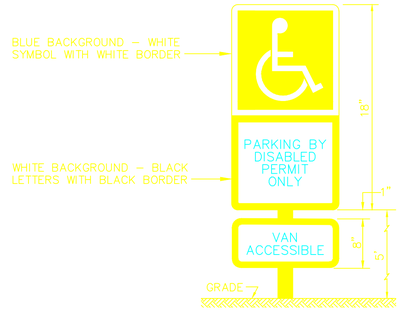
NOT TO SCALE

PAVEMENT OVERLAY DETAIL 5 C600

NOT TO SCALE

TYPICAL PARKING SPACE 8 C600

NOT TO SCALE



HANDICAPPED PARKING SIGN 11 C600

NOT TO SCALE

CONCRETE CURB DETAIL 2 C600

NOT TO SCALE

NEW PAVEMENT/OVERLAY JOINING DETAIL 6 C600

NOT TO SCALE

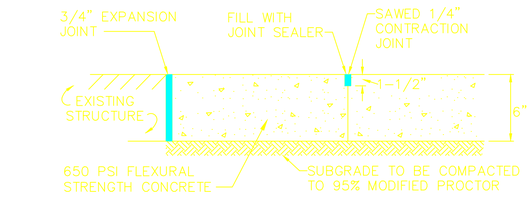
HANDICAP RAMP DETAIL 9 C600

NOT TO SCALE

TO BE PLACED AS SHOWN ON PLANS AND FOR ANY ENTRANCES/EXITS ALONG HAUL ROUTES NOT SPECIFICALLY SHOWN ON PLANS.

CONSTRUCTION ENTRANCE/EXIT 12 C600

NOT TO SCALE



TYPICAL CONCRETE PAVEMENT DETAIL 3 C600

NOT TO SCALE

THICKENED EDGE CONCRETE DUMPSTER PAD 4 C600

NOT TO SCALE

SIDEWALK PLAN

NOTE: ALSO PROVIDE EXPANSION JOINTS WHERE SIDEWALK ABUTS CURB & GUTTER AND/OR OTHER SIDEWALKS.

DUMMY GROOVE CONTRACTION JOINT

EXPANSION JOINT

TYPICAL SIDEWALK SECTION

SIDEWALK DETAIL 7 C600

NOT TO SCALE

HANDICAP PARKING DETAIL 10 C600

NOT TO SCALE

KBJ Architects, Inc. AAC0000
510 North Julia Street Jacksonville, Florida 32202
DSGN FORSBERG DR L.ROBINSON CH FORSBERG CH ENGR
SUPV
SUBMITTED BY (FIRM MEMBER-TITLE): TECHNICAL BRANCH
DATE 15 JUNE 2001
PE#

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

CONSTRUCTION DETAILS

DATE

EFD FOR COMMANDER, NAVFAC

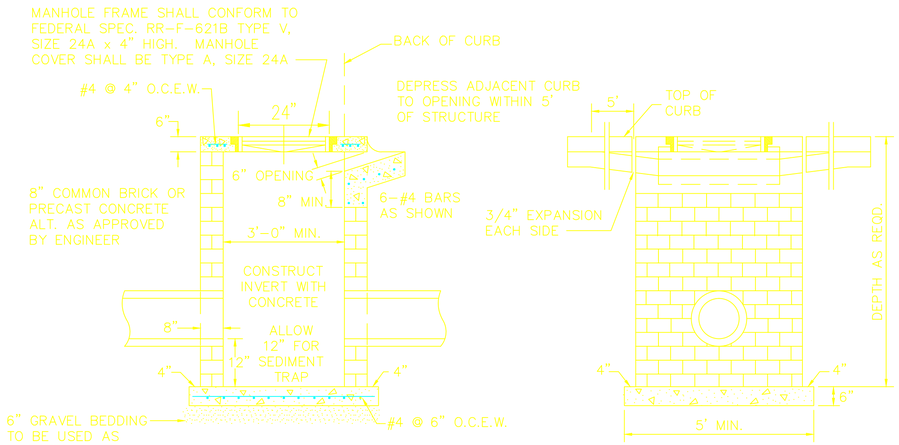
APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

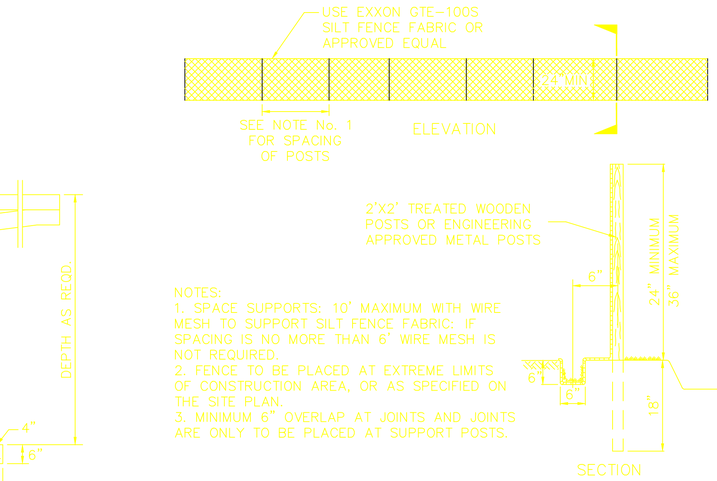
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO.06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385565
SHEET 20 OF

C600



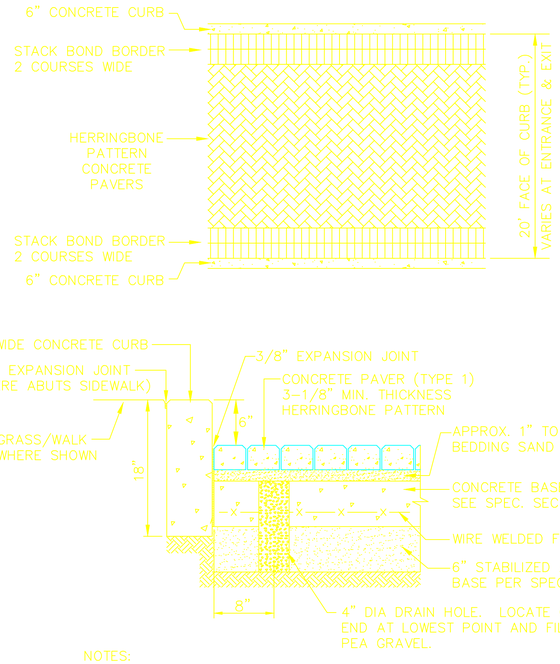
CURB INLET DETAIL

NOT TO SCALE — 1 / C700



TYPICAL SILT FENCE

NOT TO SCALE — 4 / C700



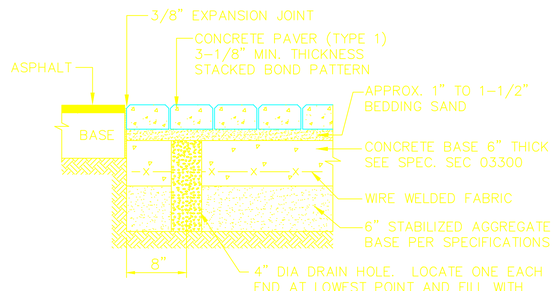
CONCRETE PAVER DRIVE WITH 6" CONCRETE CURB

NOT TO SCALE — 7 / C700

PIPE DIAMETER "D"	MAXIMUM "A"
6" TO 15"	8"
18" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
48" & LARGER	18"

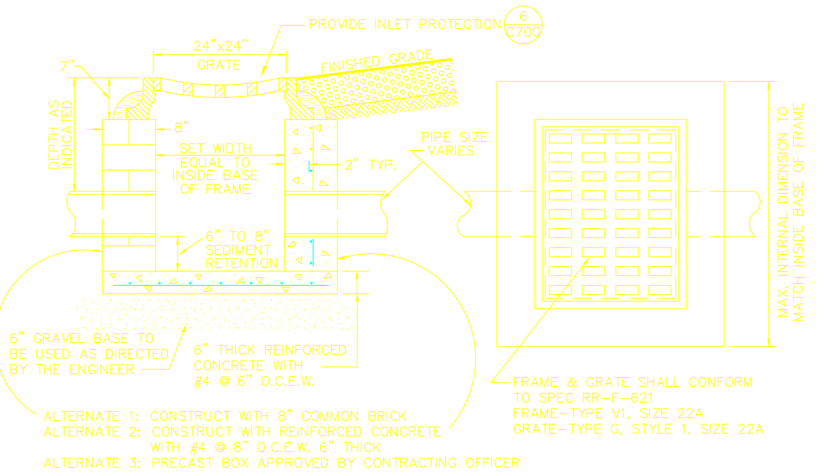
PAVEMENT TRENCHING DETAIL

NOT TO SCALE — 5 / C700



CONCRETE PAVER SIDEWALK DETAIL

NOT TO SCALE — 8 / C700



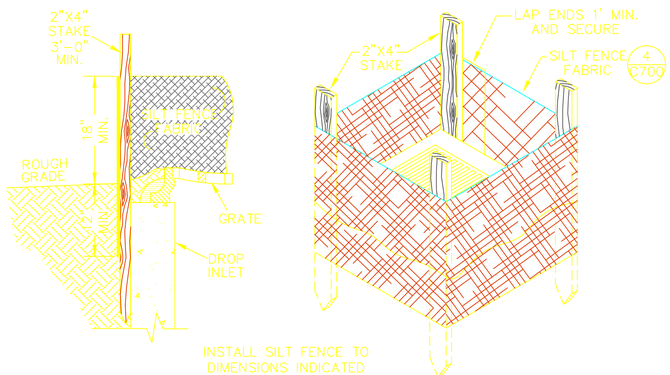
DROP INLET DETAIL

NOT TO SCALE — 2 / C700

PIPE DIAMETER "D"	MAXIMUM "A"
6" TO 15"	8"
18" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"

STORM DRAIN TRENCH DETAIL

NOT TO SCALE — 3 / C700



DROP INLET SILT PROTECTION

NOT TO SCALE — 6 / C700

KBJ Architects, Inc. AAC0000
510 North Julia Street
Jacksonville, Florida 32202
DSGN FORSBERG DR L.ROBINSON CHK FORSBERG
SUPV CH ENGR

DRAWING REVISIONS

Rev.	Description	Prop. By	Date	Appvd.
	ASBUILT			

SUBMITTED BY (FIRM MEMBER-TITLE): TECHNICAL BRANCH — DATE: 15 JUNE 2001

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

CONSTRUCTION DETAILS

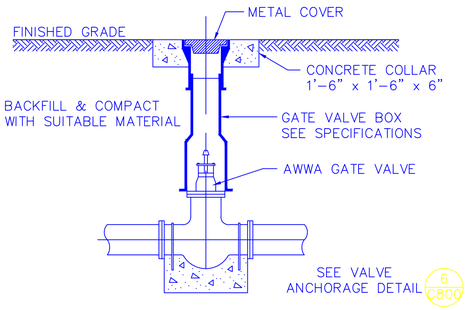
APPROVED — DATE — EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385566
SHEET	21 OF

C700



GATE VALVE & BOX DETAIL

1 C800

NOT TO SCALE

TAPPING SLEEVE DETAIL

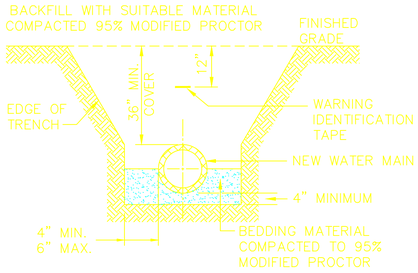
2 C800

NOT TO SCALE

POST INDICATOR VALVE WITH TAMPER SWITCH

3 C800

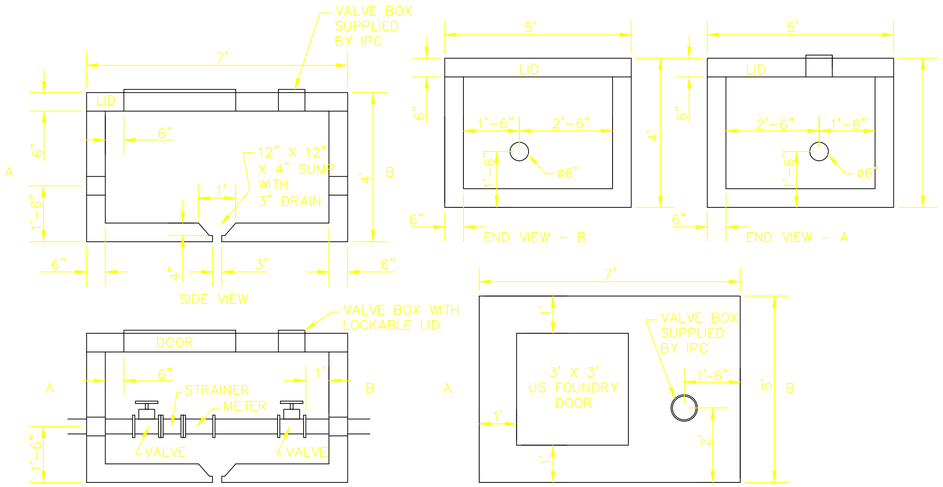
NOT TO SCALE



WATER MAIN TRENCH DETAIL

4 C800

NOT TO SCALE



A DETAIL

5 C800

NOT TO SCALE

NOTE: PLACEMENT OF CONCRETE WILL NOT INTERFER WITH PROPER REMOVAL OF MECHANICAL JOINT BOLTS AND NUTS.

ANCHORAGE SCHEDULE				
VALVE	SQ. FT.	"D"	"X"	"Y"
3"ø	0.5	6.0"	8"	9"
4"ø	0.8	6.0"	9"	12.5"
6"ø	1.6	9.0"	1'-1"	1'-6"

VALVE ANCHORAGE DETAIL

6 C800

NOT TO SCALE

NOTE: DEPTH TO TOP OF BLOCKING SHALL BE GREATER THAN HEIGHT OF BLOCKING

DIAMETER		22-1/2°		45°		90°		TEE & TERMINUS	
NOMINAL	ACTUAL	B	H	B	H	B	H	B	H
4"	4.28	1.5	1.5	2.0	1.5	2.5	1.5	2.5	1.5
6"	6.4	1.7	1.5	2.4	1.75	3.33	2.0	3.1	1.75

THRUST BLOCK DETAIL

7 C800

NOT TO SCALE

GREASE TRAP

GREASE TRAP DETAIL

8 C800

NOT TO SCALE

KBJ Architects, Inc. AAC0000
510 North Julia Street
Jacksonville, Florida 32202

Rev.	Description	Prep. By	Date	Approvd
A	ASBUILT	RB	12/12/03	

DRAWING REVISIONS

DSGN FORSBERG L.ROBINSON CHK FORSBERG
SUPV CH ENGR

SUBMITTED BY (FRM MEMBER-TITLE): DATE 15 JUNE 2001
TECHNICAL BRANCH
PRE

SUMTER, S.C.
SHAW AIR FORCE BASE

DINING FACILITY

CONSTRUCTION DETAILS

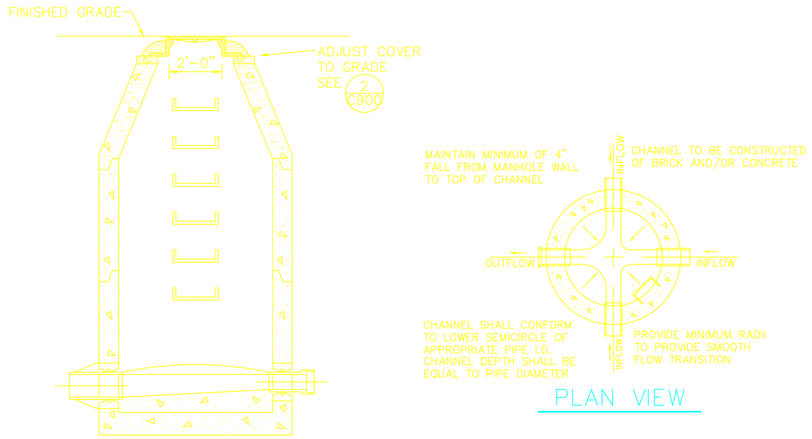
APPROVED
EFD FOR COMMANDER, NAVFAC
DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

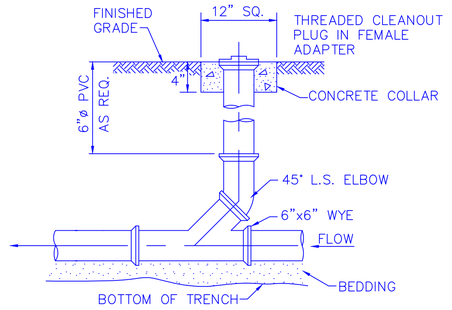
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO.06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385567
SHEET 22 OF

C800



SEWER MANHOLE TIE–IN DETAIL 1 C900

NOT TO SCALE

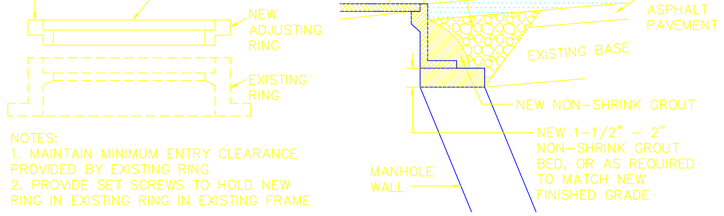


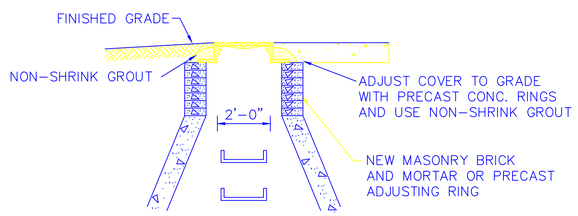
SANITARY SEWER CLEANOUT DETAIL 3 C900

NOT TO SCALE

SEWER TRENCH DETAIL 4 C900

NOT TO SCALE





MANHOLE ADJUSTMENT DETAIL 2 C900

NOT TO SCALE

TYPICAL GAS SERVICE CONNECTION TO MAIN 5 C900

NOT TO SCALE

KBJ Architects, Inc. AAC0000
510 North Julia Street 32202
Jacksonville, Florida
DSGN'R: FORSBERG DR'N: L.ROBINSON CHK'R: FORSBERG
SUPV
CH ENGR
SUBMITTED BY (FIRM MEMBER-TITLE): TECHNICAL BRANCH
DATE: 15 JUNE 2001
PRE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

CONSTRUCTION DETAILS

DATE

APPROVED

EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO.06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385568
SHEET 23 OF

C900

POLIFKA DRIVE

NEW BUILDING

PATIO

JOHNSON ST.

FORDYCE ST.

LIBRARY 405 FFE=271.96

DORM. 427 FFE=271.87

DORMITORY 428 FFE=270.89

IBM TOP OF FIRE HYDRANT ELEV.=278.71

6" CURB

MULCH AREAS DISTURBED BY CONSTRUCTION IN THESE AREAS

PINESTRAW MULCH TYP.

SOD TYP.

PLANTER

LANDSCAPE TIMBERS

OVERHANG

CONC

PIT

DI

SDMH

DMP

STM PIT

RRT

RIT

GW

PP

LP

40"SG

24"SG

21"SG

29"SG

18"SG

34"P

28"P

13"P

19"PALM

8"DW

3-QC

2-QC

1-QC

1-AR

5-BT

6-BT

19-JH

26-JH

9-ICH

15-GJR

5-CF

155-LM

9-JH RI

7-GJR

20-JH

34-GJR

27-DP

5-GJR

1-LI

26-DP

77-JH

14-BT

25-DP

80-DP

50-ICH

144-JH

8-LI

34-DP

8-BT

3-AR

200-JH

11"LO

27"LO

30"LO

22"LO

5"PO

10"WO

13"O

14"O

15"TO

16"TO

21.5"P(DBL)

26"H(TRIP)

19"P

23"P

21"P

17"P

15"P

9"P

10"P

18"P

11"P

8"P

7"P

20"P

14"P

23"O

18"O

17"O

KBJ Architects, Inc. AAC000011
510 North Julio Street 32202
Jacksonville, Florida

DESIGN FORSBERG JR. ROBINSON JOHN FORSBERG
SUPV CH ENGR

SUBMITTED BY (FIRM MGR/ER-TITLE): DATE 15 JUNE 2001
TECHNICAL BRANCH FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approvd
A	ASBUILT	RB	12/12/03	

SUMTER, S.C.

DINING FACILITY

PLANTING PLAN

SHAW AIR FORCE BASE

APPROVED DATE

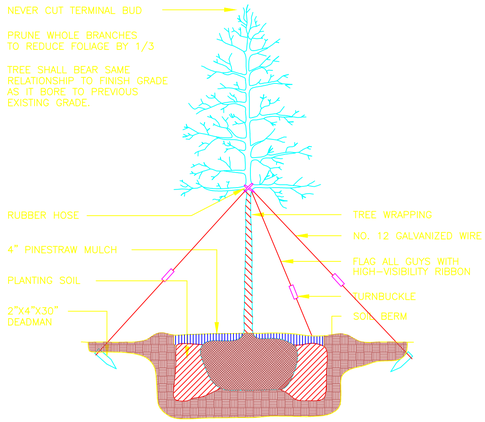
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

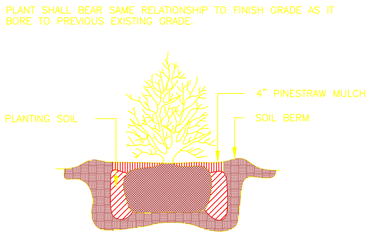
CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385569
SHEET	24 OF

L100



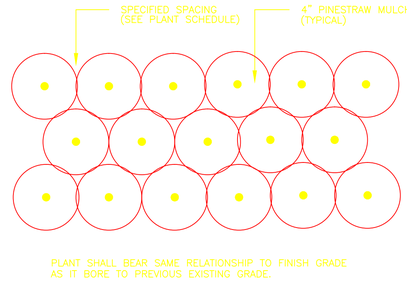
DETAIL – TREE PLANTING

NO SCALE



DETAIL – SHRUB PLANTING

NO SCALE



DETAIL – GROUND COVER PLANTING

NO SCALE

PLANT SCHEDULE (BASE BID)

CODE	BOTANICAL NAME	COMMON NAME	QUANTITY	HEIGHT	SPACING	REMARKS
	TREES					
AR	ACER RUBRUM	RED MAPLE	7	9'-10'	REFER TO PLAN	WELL-BRANCHED,B&B
CF	CORNUS FLORIDA	DOGWOOD	5	4'-5'	"	WELL BRANCHED, SP, B&B
LI	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ CRAPE MYRTLE	17	7'-8'	"	SINGLE TRUNK, B&B
QC	QUERCUS COCCINEA	SCARLET OAK	8	9'-10'	"	WELL BRANCHED,B&B
	SHRUBS					
BT	BERBERIS THUNBERGI 'ATROPURPUREA'	JAPANESE BARBERRY	46	#3 GAL. POTS	"	
JH	JUNIPERUS HORIZONTALIS	CREEPING JUNIPER	351	#1 GAL. POTS	"	
L	LIRIOPE MUSCARI	LIRIOPE	155	6" POTS	"	
ICH	ILEX CRENATA 'HELLERI'	HELLERI HOLLY	59	#3 GAL. POTS	"	
GR	GARDENIA JASMINOIDES 'RADICANS'	DWARF GARDENIA	61	#1 GAL. POTS	"	
	GROUNDCOVERS					
SOD	EREMOCHLOA OPHIUROIDES	CENTIPEDE GRASS		SOD		AS SHOWN
DP	DIANTHUS PLUMARIUS	DIANTHUS	192	USE FLATS		
	MULCH					
	PINESTRAW	PINESTRAW				4" THICK (LONG NEEDLE STRAW)

PLANT SCHEDULE LEGEND

B&B	BALLED AND BURLAPED MATERIAL
BR	BARE ROOT MATERIAL
CAL	TRUNK CALIPER
CON	CONTAINERIZED MATERIAL
CT	CLEAR TRUNK
EGG	EGG CAN CONTAINER
FWF	FULL WELL FORMED
GAL	GALLON CONTAINER
MS	MULTI STEMMED TRUNK
SF	SHRUB FORM HABIT
SP	SPECIMEN MATERIAL
TF	TREE FORM HABIT

GENERAL NOTES

1. THE CONTRACTOR IS ADVISED TO VISIT THE SITE AND VERIFY FIELD CONDITIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODES.
3. THE CONTRACTOR SHALL OBTAIN ALL LICENSES AND PERMITS REQUIRED FOR THE PERFORMANCE OF HIS WORK.
4. ALL PLANT BEDS SHALL BE MULCHED WITH A MINIMUM OF 4" PINESTRAW.
5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE FROM ALL PLANT BEDS AND NEW CONSTRUCTION.
6. QUANTITIES LISTED ARE AN ESTIMATE FOR THE CONTRACTOR'S CONVENIENCE. CONTRACTOR MUST VERIFY COUNT FROM PLAN. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER. COMPENSATION BY OWNER SHALL NOT BE IN ORDER FOR MISCALCULATIONS.
7. EXISTING ECOLOGY AND AESTHETICS WILL OFTEN CAUSE ADJUSTMENT OF THESE PLANS TO FIT SITE. STAKE OUT BY CONTRACTOR AND FIELD ADJUSTMENT BY CONTRACTING OFFICER ARE ABSOLUTELY NECESSARY.
8. ALL PLANT MATERIAL SHALL BE GUARANTEED BY CONTRACTOR FOR A MINIMUM PERIOD OF ONE YEAR FROM DATE OF COMPLETION AND ACCEPTANCE BY OWNER.
9. THE LOCATION OF ALL ABOVE GROUND AND BELOW GROUND UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. DAMAGE TO UTILITIES AND PERSONAL INJURY AS A RESULT OF THE FAILURE TO DETERMINE AND/OR RESPECT UTILITY LOCATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. UTILITY LOCATIONS ARE NOT SHOWN ON THESE PLANS.

KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202
DSGN FORSBERG DR. J. FURMAN JR. FORSBERG
SUPV CH ENGR
SUBMITTED BY (FIRM MEMBER-TITLE): TECHNICAL BRANCH
DATE 15 JUNE, 2001
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

PLANT SCHEDULE

DATE

APPROVED

EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

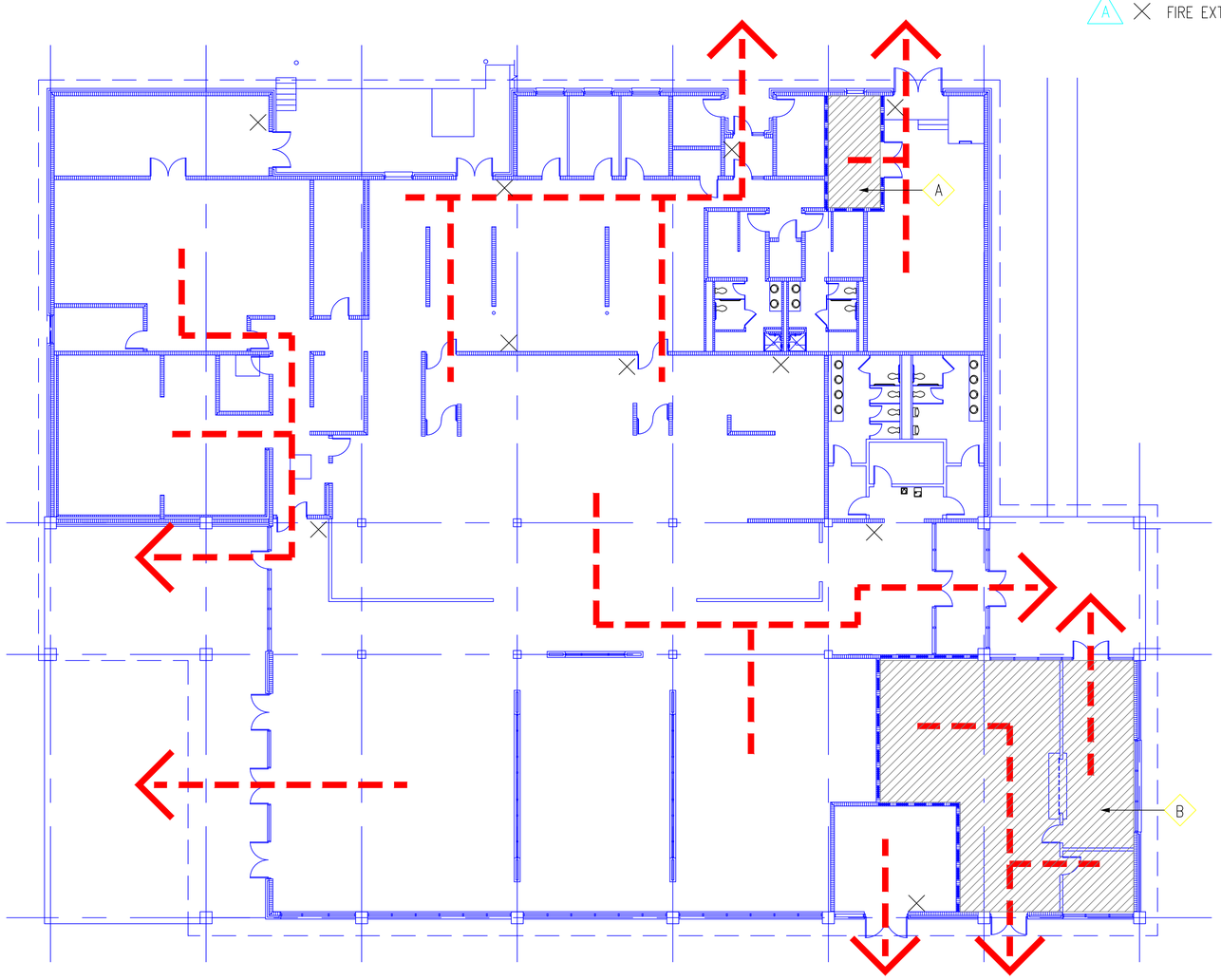
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO.06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385570
SHEET 25 OF

L200

LIFE SAFETY PLAN LEGEND

- EXIT PATH
- 1 HOUR FIRE-RATED SPACE
- A — BOILER ROOM
- B — POSTAL AREAS
- A — FIRE EXTINGUISHERS



1 / A000 LIFE SAFETY PLAN
SCALE: 3/16" = 1'-0"

BASIS OF REVIEW

MILHBK 1008C – GENERAL
UNIFORM BUILDING CODE (UBC)
LIFE SAFETY CODE (NFPA 101), 2000

OCCUPANCY CLASSIFICATION / LOAD

MIXED USE

GROUP A.3 — ASSEMBLY, DIVISION 3 (UBC), CLASS C (NFPA)
OCCUPANT LOAD LESS THAN 300 BUT GREATER THAN 50, WITHOUT A LEGITIMATE STAGE

GROUP B — BUSINESS (NFPA,UBC)
OFFICES, INCLUDES ACCESSORY ASSEMBLY WITH OCCUPANT LOAD LESS THAN 50

BUILDING DATA

BUILDING AREA = 21,204 GSF
STRUCTURAL ELEMENTS, WALLS, AND PARTITIONS – NON-COMBUSTIBLE
NO GENERAL RESISTANCE REQUIRED
FULLY SPRINKLERED

EGRESS REQUIREMENTS

MINIMUM WIDTH OF ANY CORRIDOR OR PASSAGEWAY SHALL BE 44"
MAXIMUM DEAD END CORRIDOR = 50'
MAXIMUM COMMON PATH OF TRAVEL = 100'
MAXIMUM TRAVEL DISTANCE TO AN EXIT = 300'
MINIMUM CLEAR DOOR OPENING = 32"

FIRE PROTECTION

ASSEMBLY, CLASS C – NO RESISTANCE REQUIRED IF ASSEMBLY ROOM SERVED BY CORRIDOR OR LOBBY HAVING AT LEAST 50% OF EXIT CAPACITY DISCHARGING DIRECTLY OUTSIDE

MIXED OCCUPANCIES – SEPARATE OCCUPANCIES BY ONE HOUR FIRE RESISTANT WALLS AS REQUIRED BY TABLE 3-B, UNIFORM BUILDING CODE

SQUARE FOOTAGE SUMMARY

SF AT 100%	20,009 GSF
SF AT 50%	1,195 GSF
TOTAL	21,204 GSF

0 2' 4' 8' 16'
GRAPHIC SCALE: 3/16" = 1'-0"

KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202
DSGN BEENE DR ROBBINS CHK CRAFT
SUPV RUTH CH ENGR _
SUBMITTED BY (FIRM MEMBER-TITLE): _ DATE
TECHNICAL BRANCH
FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/12/03	

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
LIFE SAFETY PLAN
APPROVED DATE
EFD FOR COMMANDER, NAVFAC DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385572
SHEET 26 OF –
A000

GENERAL NOTE: SEE CIVIL DRAWINGS FOR EXACT DIMENSIONS, GRADING, LANDSCAPING PLANS, AND BID OPTION LIMITATIONS

ERECT CONSTRUCTION FENCE AROUND PERIMETER OF SITE, SEE SPECIFICATIONS

POLIFKA DRIVE

STEAM PIT

NOTE: CONC. WALK AND BIKE RACK SHALL BE INCLUDED IN BASE BID.

NEW DRIVE BID ITEM 0004

CONC. PAVERS, SEE CIVIL DWGS.

BIKE RACK SEE 3/A102

16'-0"

"*" DENOTES CARPOOL/ VAN POOL SPACES

BID ITEM 0002 (SEE CIVIL FOR LIMITS)

NEW PARKING SPACE FOR 71 VEHICLES

CONTRACTOR "LAY DOWN" AREA

1/A101

POSTAL CENTER

LOBBY

POSTAL SPACE

30'-4"

DUMPSTERS

KITCHEN

SERVING

DINING AREA

LOADING DOCK

BID ITEM 0003

PATIO

ERECT CONSTRUCTION FENCE AROUND PERIMETER OF SITE

EXISTING LIBRARY

FORDYCE STREET

JOHNSON STREET

NORTH

0 5' 10' 20' 40' 60'

SCALE: 1" = 20'

1/A100 ARCHITECTURAL FLOOR PLAN

SCALE: 1" = 20'-0"

KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE BR BEENE CHK CRAFT
SUPV RUTH CH ENGR _
SUBMITTED BY (FROM MEMBER-TITLE): DATE
TECHNICAL BRANCH
FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/12/03	

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

ARCHITECTURAL SITE PLAN

APPROVED DATE

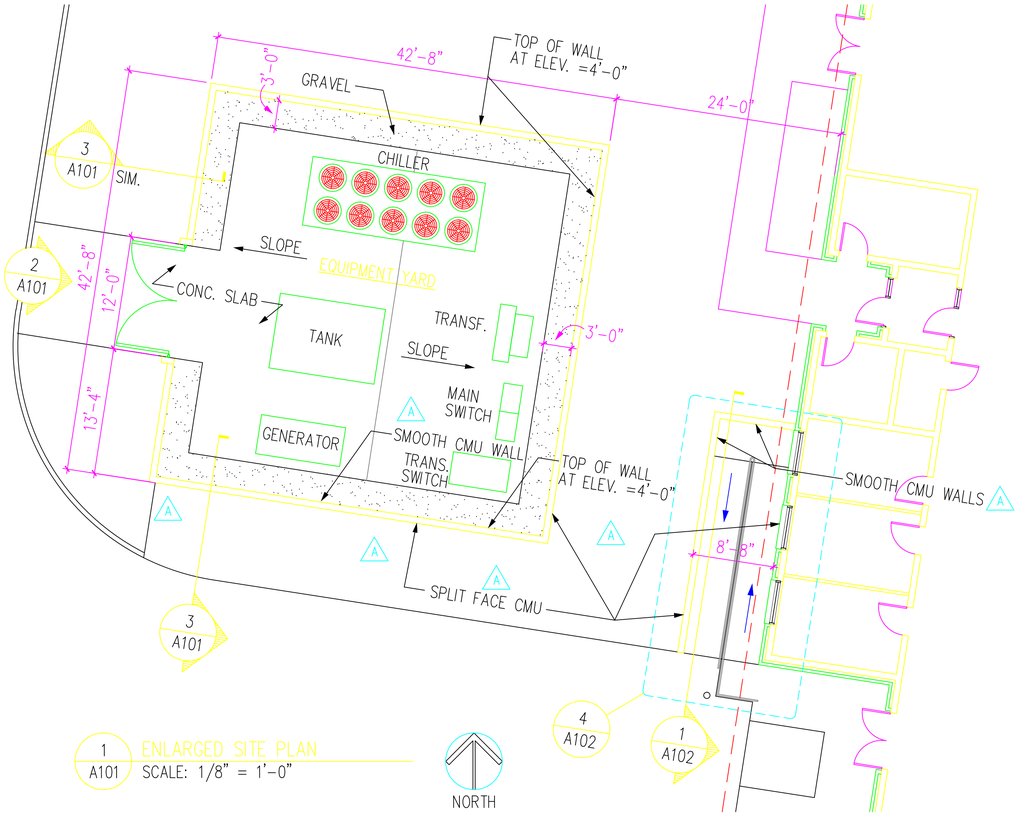
EFD FOR COMMANDER, NAVFAC DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

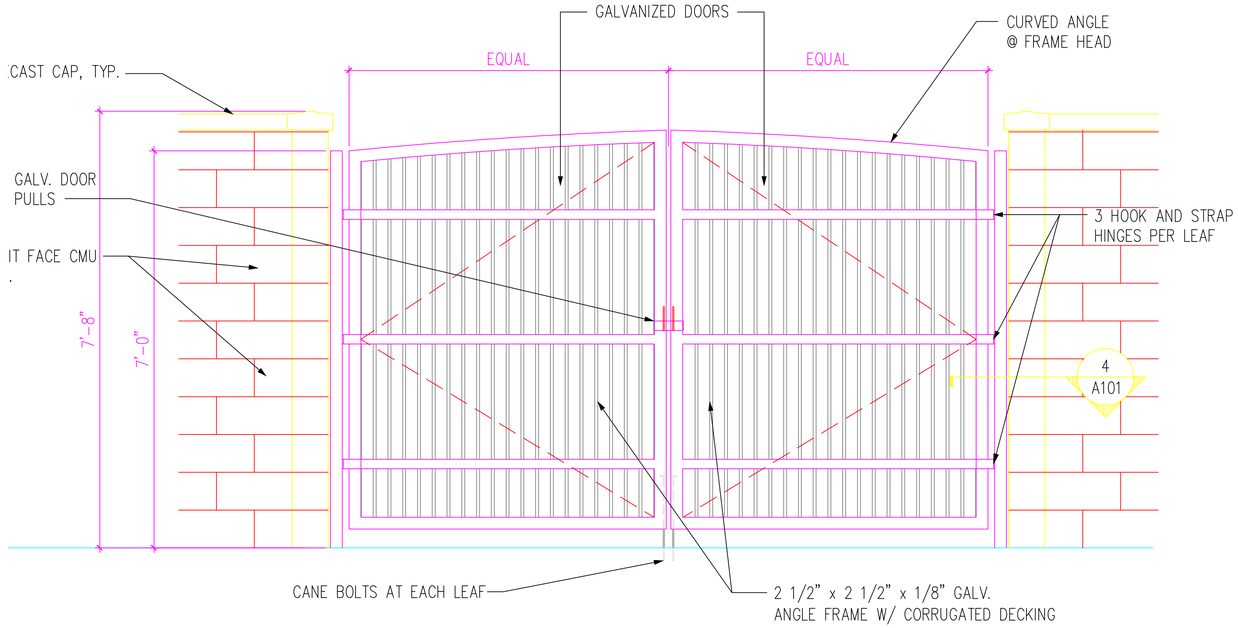
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385573
SHEET 27 OF –

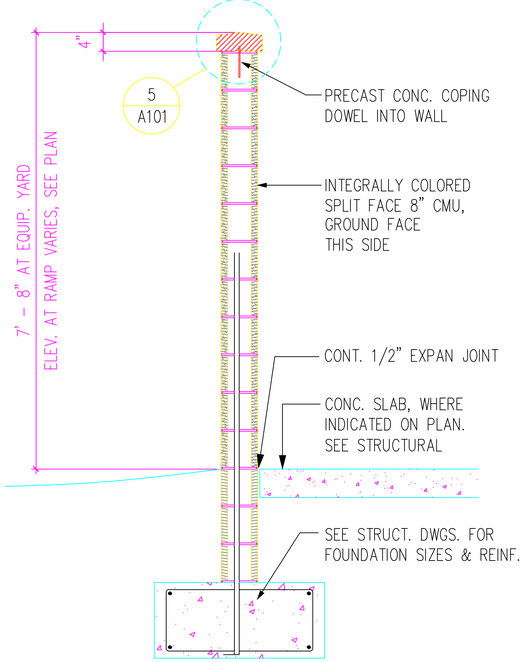
A100



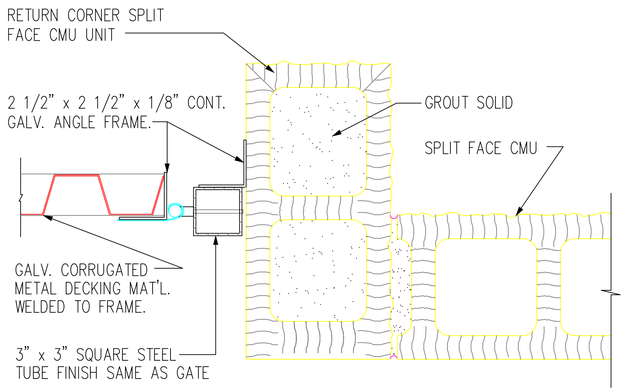
1 A101 ENLARGED SITE PLAN
SCALE: 1/8" = 1'-0"



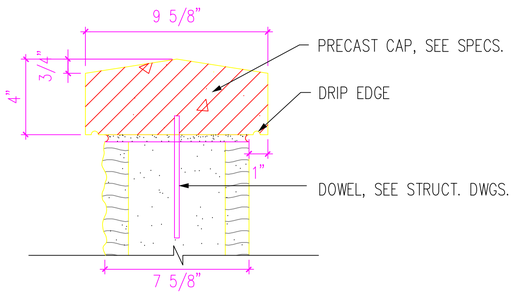
2 A101 GATE ELEVATION–EQUIP. YARD
SCALE: 3/4" = 1'-0"



3 A101 WALL SECTION – SCREEN WALL
SCALE: 3/4" = 1'-0"



4 A101 GATE JAMB
SCALE: 3" = 1'-0"



5 A101 PRECAST CAP DETAIL
SCALE: 3" = 1'-0"

GENERAL NOTE:
GATE FINISH SHALL MATCH SW 2032. SEE SPECS.

0 3" 6" 1'
SCALE: 3" = 1'-0"

0 6" 1' 2' 4'
SCALE: 3/4" = 1'-0"

0 2' 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202
DSGN BEENE BR ROBBINS CHK CRAFT
SUPV RUTH CH ENGR –
SUBMITTED BY (FIRM MEMBER-TITLE): DATE
TECHNICAL BRANCH FPE JIM RITCHIE

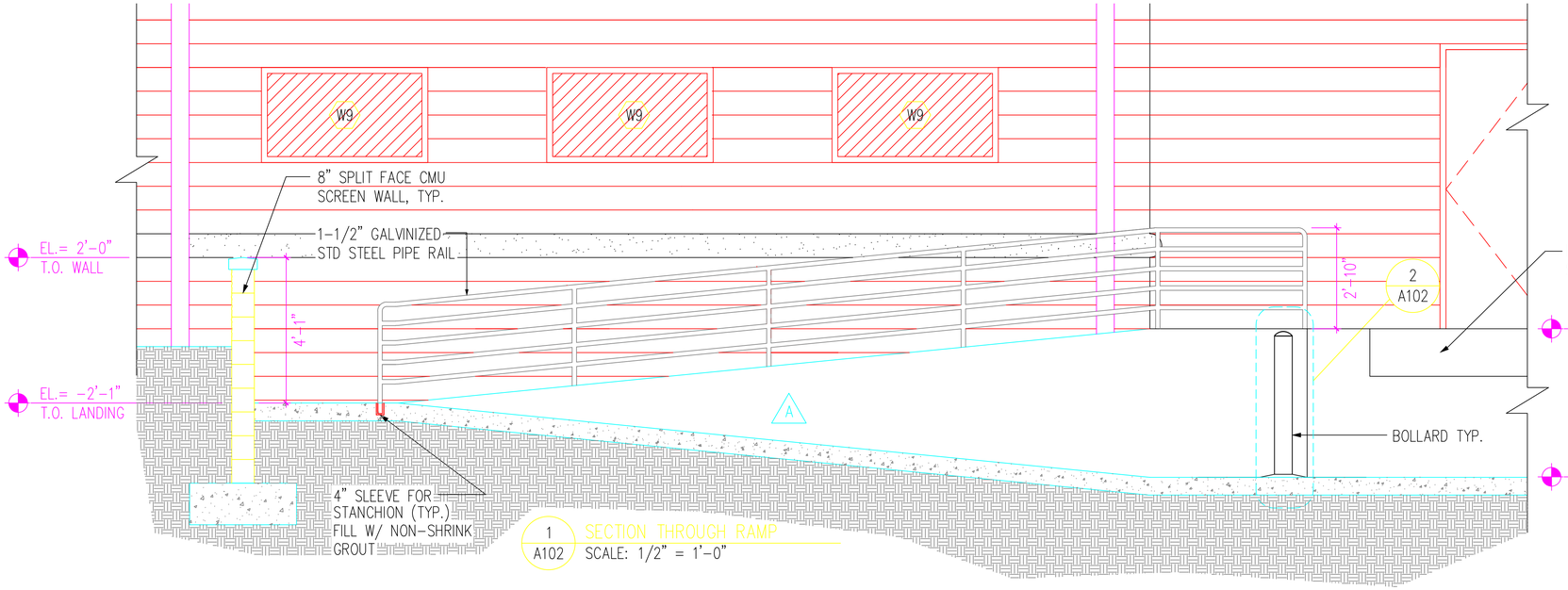
DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/15/03	

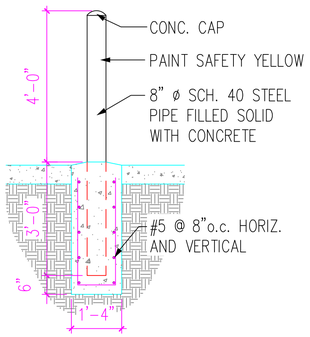
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
ENLARGED SITE PLAN AND DETAILS
APPROVED DATE
ED FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

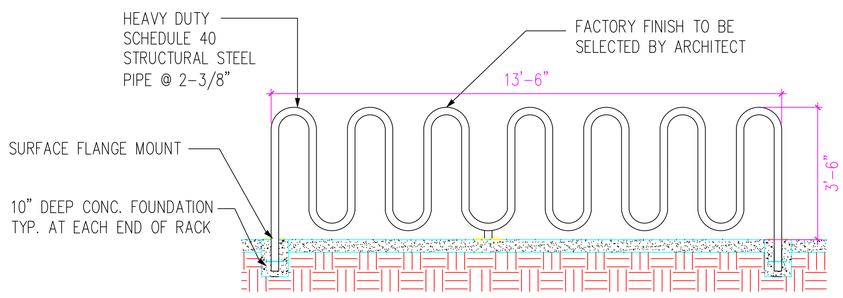
RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385574
SHEET 28 OF –
A101



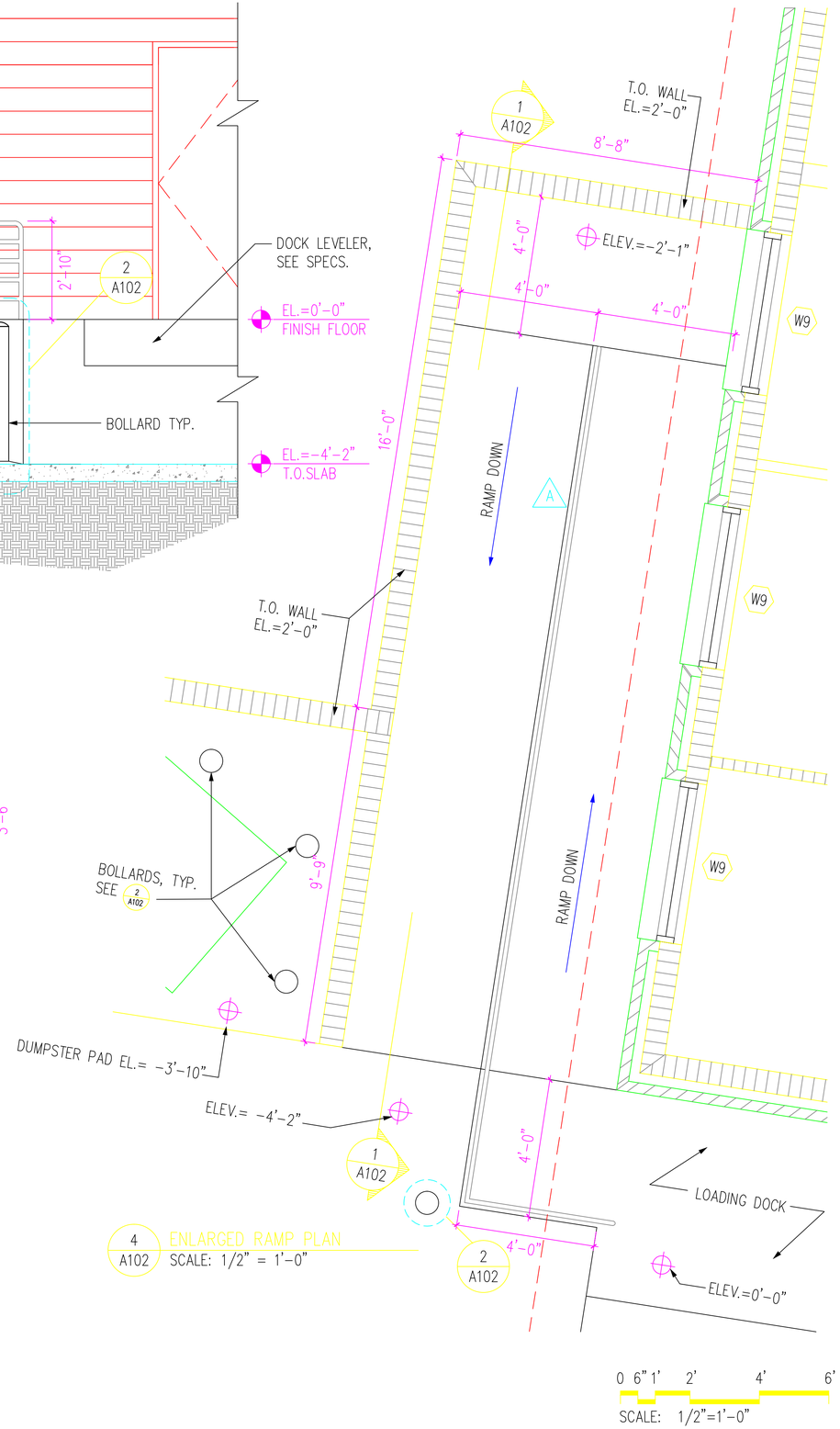
1 A102 SECTION THROUGH RAMP
SCALE: 1/2" = 1'-0"



2 A102 BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



3 A102 BIKE RACK
SCALE: 1/2" = 1'-0"



4 A102 ENLARGED RAMP PLAN
SCALE: 1/2" = 1'-0"

KBJ Architects, Inc. AA0000001
510 North Julio Street
Jacksonville, Florida 32202

DSGN BEENE BR BRADDOCK CHK CRAFT
SUPV RUTH CH ENGR –
SUBMITTED BY (FIRM MEMBER-TITLE): DATE
TECHNICAL BRANCH JIM RITCHIE
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/16/03	

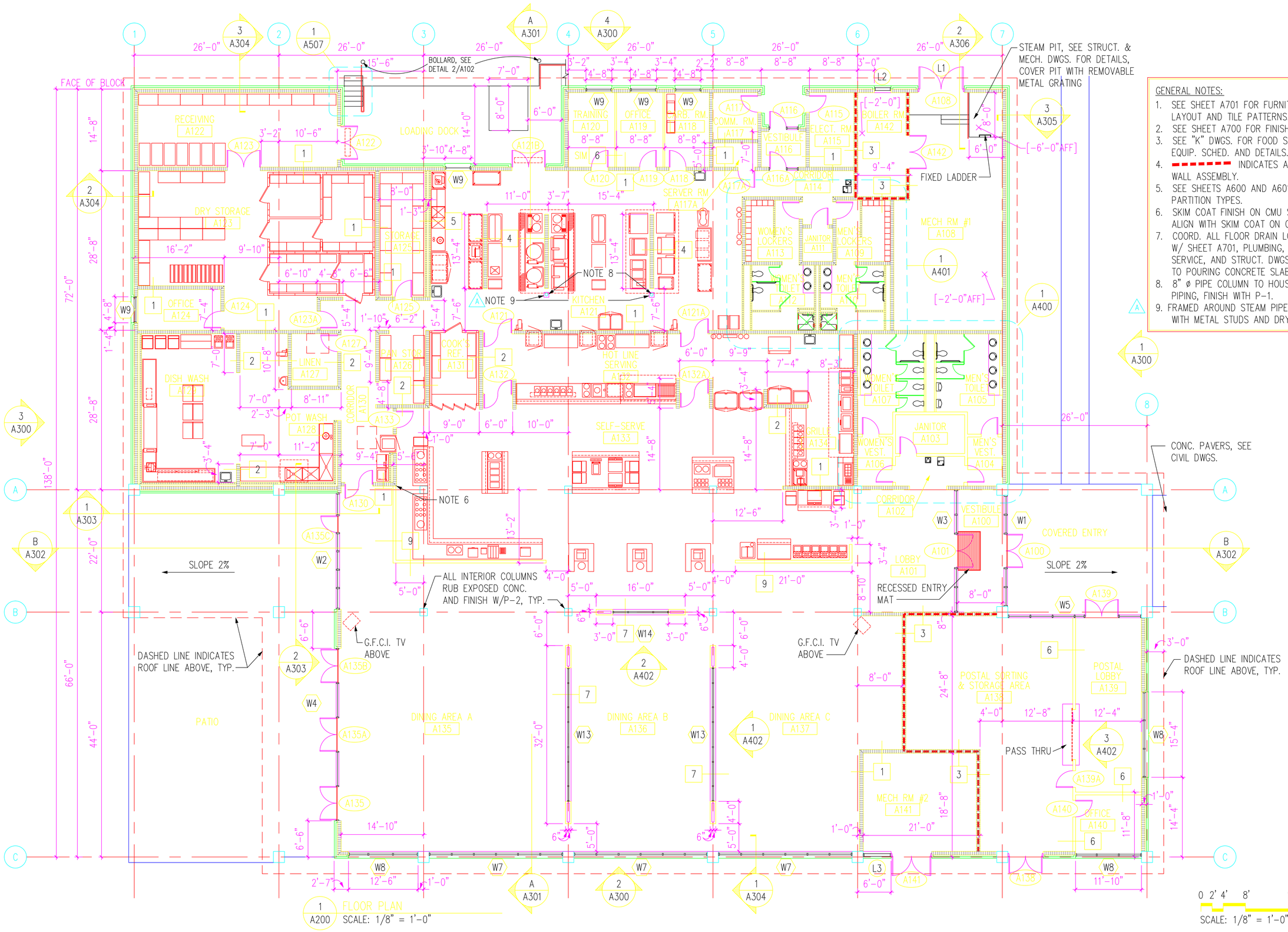
SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
ENLARGED SITE PLAN AND DETAILS
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385575
SHEET 29 OF –

A102



GENERAL NOTES:

1. SEE SHEET A701 FOR FURNITURE LAYOUT AND TILE PATTERNS.
2. SEE SHEET A700 FOR FINISH SCHED.
3. SEE "K" DWGS. FOR FOOD SERVICE EQUIP. SCHED. AND DETAILS.
4. ▬ ▬ ▬ INDICATES A RATED WALL ASSEMBLY.
5. SEE SHEETS A600 AND A601 FOR PARTITION TYPES.
6. SKIM COAT FINISH ON CMU SHALL ALIGN WITH SKIM COAT ON GWB.
7. COORD. ALL FLOOR DRAIN LOCATIONS W/ SHEET A701, PLUMBING, FOOD SERVICE, AND STRUCT. DWGS. PRIOR TO POURING CONCRETE SLAB.
8. 8" ø PIPE COLUMN TO HOUSE VERT. PIPING, FINISH WITH P-1.
9. FRAMED AROUND STEAM PIPES WITH METAL STUDS AND DRYWALL.

KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE | DR BEENE | CHK CRAFT
SUPV RUTH | CH ENGR – | DATE
SUBMITTED BY (FIRM MEMBER-TITLE):
TECHNICAL BRANCH | FPE | JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/16/03	

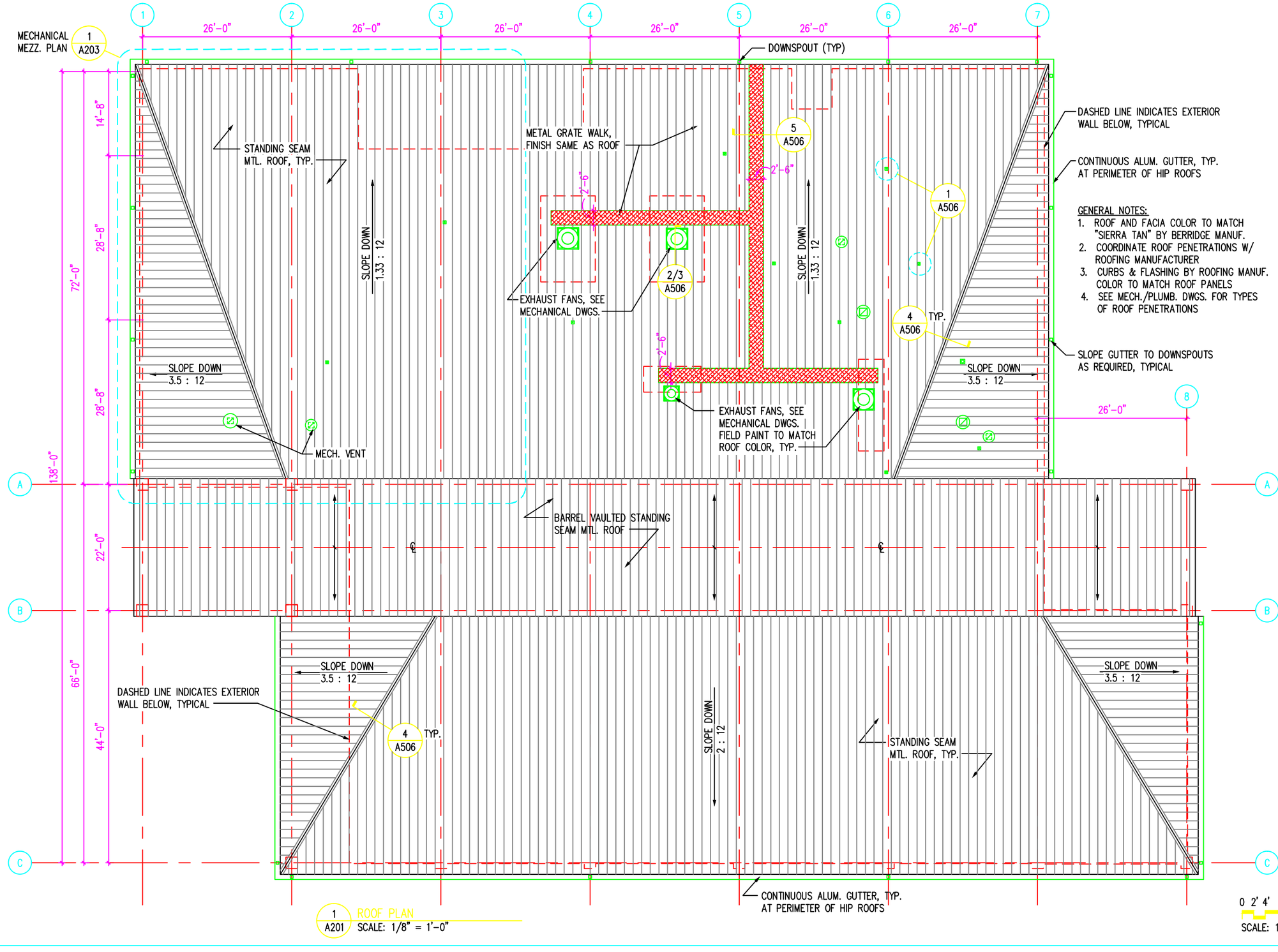
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
ARCHITECTURAL FLOOR PLAN
APPROVED
DATE
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385576
SHEET 30 OF –

A200



1 A201 ROOF PLAN
SCALE: 1/8" = 1'-0"

KBJ Architects, Inc. AA0000001
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE DR BEENE CHK CRAFT
SUPV RUTH CHKR -
SUBMITTED BY (PRIM MEMBER-RESP): TECHNICAL BRANCH
DATE
JM RITCHIE
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Appvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

ROOF PLAN

EFD FOR COMMANDER, NAVFAC

DATE

APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385577
SHEET 31 OF -

A201

1 A202 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. SEE MECH. & ELECT. DWGS. FOR COMPLETE LAYOUT
2. BASIS OF DESIGN FOR ACT:
   ACT-1 – USG, 808 "SANDRIFT"
   ACT-2 – USC, 56060 "CLEAN ROOM"
   ACT-3 – USG, 412 "FROST"
3. EXTEND GWB SOFFIT WALL FROM ADJ. CEILING DOWN TO THE TOP OF THE REFRIGERATION EQUIP. APPROX. 8'-6", VERIFY WITH REF. MANUFACTURER.

KBJ Architects, Inc. AA0000001
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE DR BEENE CHK CRAFT
SUBMITTED BY (PRINT MEMBER-IN-LIEU): RUTH CHK ENGR –
TECHNICAL BRANCH DATE
PPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Appvd.
A	ASBUILT	RB	1/19/05	

EFD FOR COMMANDER, NAVFAC

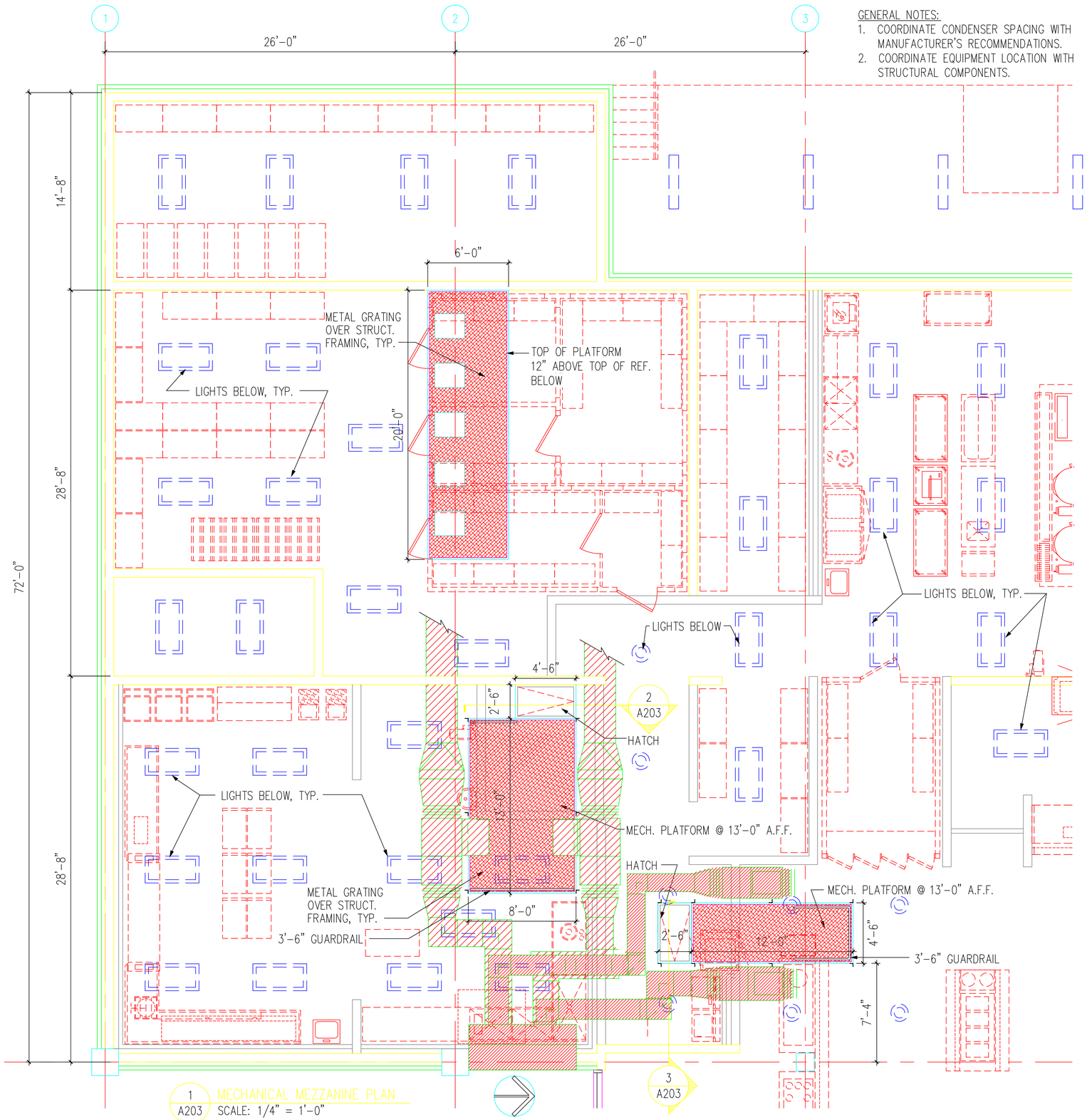
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
REFLECTED CEILING PLAN
APPROVED DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

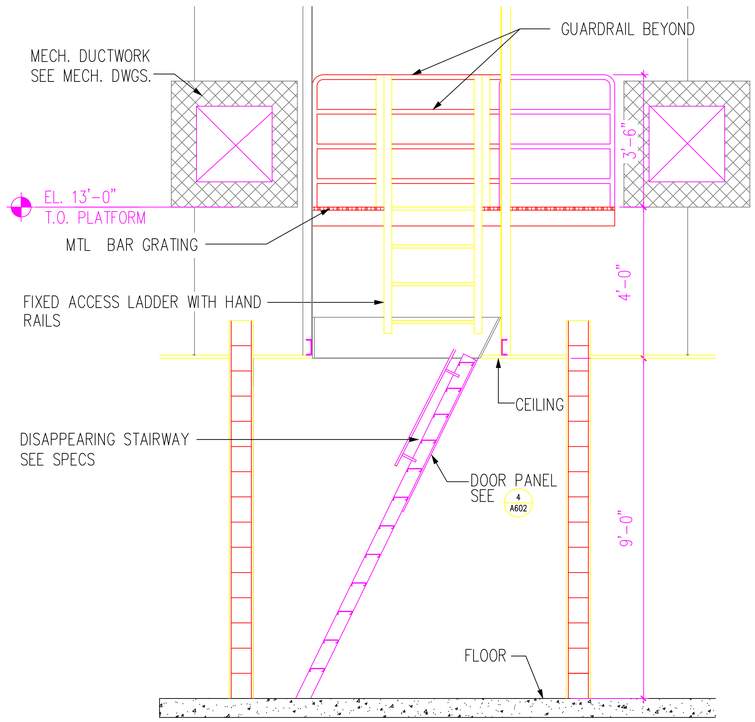
RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385578
SHEET 32 OF –

A202

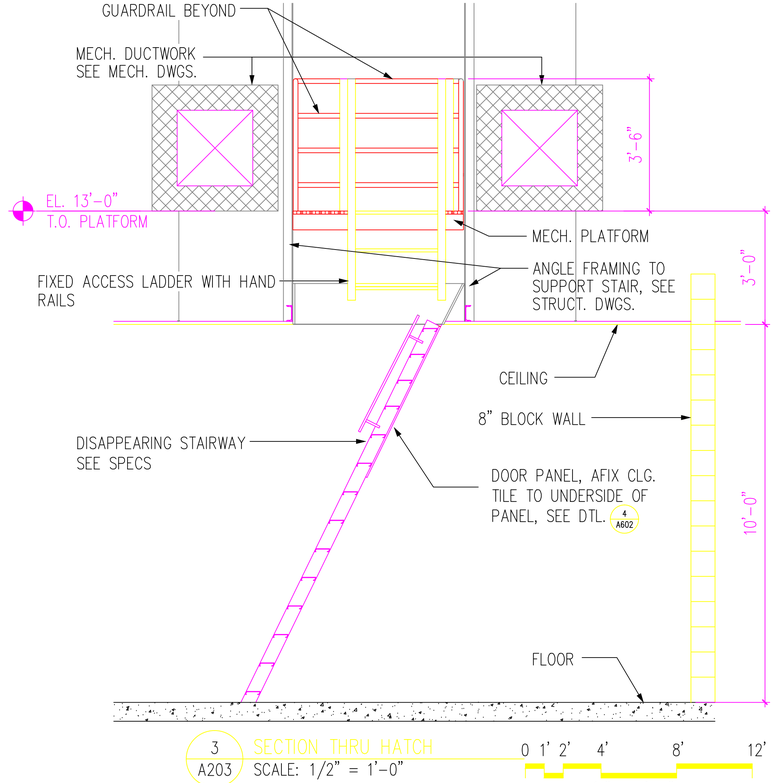
GENERAL NOTES:
1. COORDINATE CONDENSER SPACING WITH MANUFACTURER'S RECOMMENDATIONS.
2. COORDINATE EQUIPMENT LOCATION WITH STRUCTURAL COMPONENTS.



1 A203 MECHANICAL MEZZANINE PLAN
SCALE: 1/4" = 1'-0"



2 A203 SECTION THRU HATCH
SCALE: 1/2" = 1'-0"



3 A203 SECTION THRU HATCH
SCALE: 1/2" = 1'-0"

0 1' 2' 4' 8' 12'
SCALE: 1/4" = 1'-0"

KBJ Architects, Inc. AA00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN	BEENE	DR	BEENE
SUPV	RUTH	CHK	CRAFT
SUBMITTED BY (FIRM MEMBER-TITLE):		CH ENGR	-
TECHNICAL BRANCH		DATE	
FPE	JIM RITCHIE		

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
MECHANICAL PLATFORM PLAN

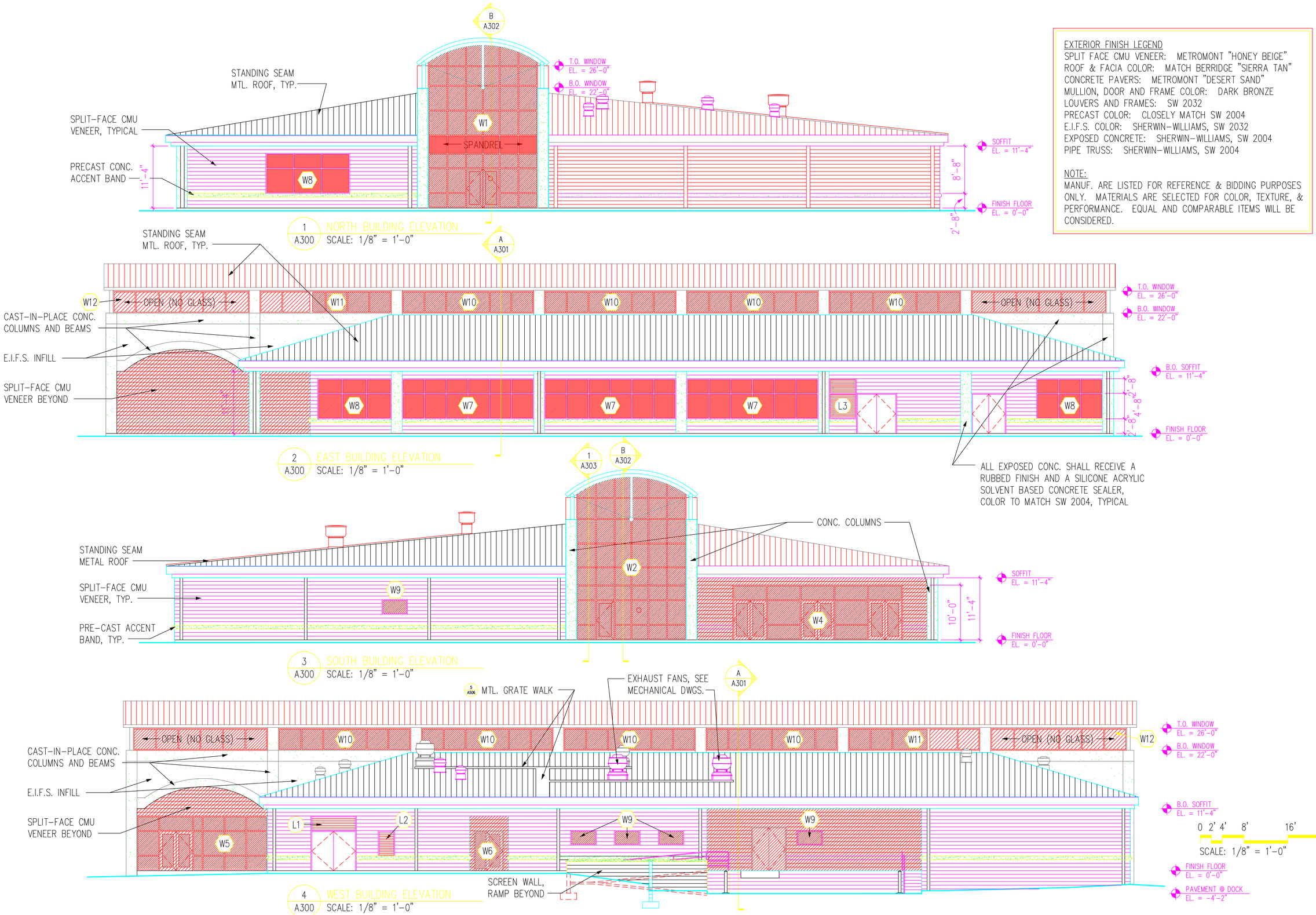
DATE	APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385579
SHEET	33 OF -

A203



EXTERIOR FINISH LEGEND

SPLIT FACE CMU VENEER: METROMONT "HONEY BEIGE"
ROOF & FACIA COLOR: MATCH BERRIDGE "SIERRA TAN"
CONCRETE PAVERS: METROMONT "DESERT SAND"
MULLION, DOOR AND FRAME COLOR: DARK BRONZE
LOUVERS AND FRAMES: SW 2032
PRECAST COLOR: CLOSELY MATCH SW 2004
E.I.F.S. COLOR: SHERWIN-WILLIAMS, SW 2032
EXPOSED CONCRETE: SHERWIN-WILLIAMS, SW 2004
PIPE TRUSS: SHERWIN-WILLIAMS, SW 2004

NOTE:
MANUF. ARE LISTED FOR REFERENCE & BIDDING PURPOSES ONLY. MATERIALS ARE SELECTED FOR COLOR, TEXTURE, & PERFORMANCE. EQUAL AND COMPARABLE ITEMS WILL BE CONSIDERED.

KBJ Architects, Inc. AAC00001
510 North Julio Street 32202
Jacksonville, Florida
DSGN BEENE DR BEENE CHK CRAFT
SUPV RUTH CH ENGR -
SUBMITTED BY (FIRM MEMBER-TITLE):
TECHNICAL BRANCH FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd.	DATE
	ASBUILT				

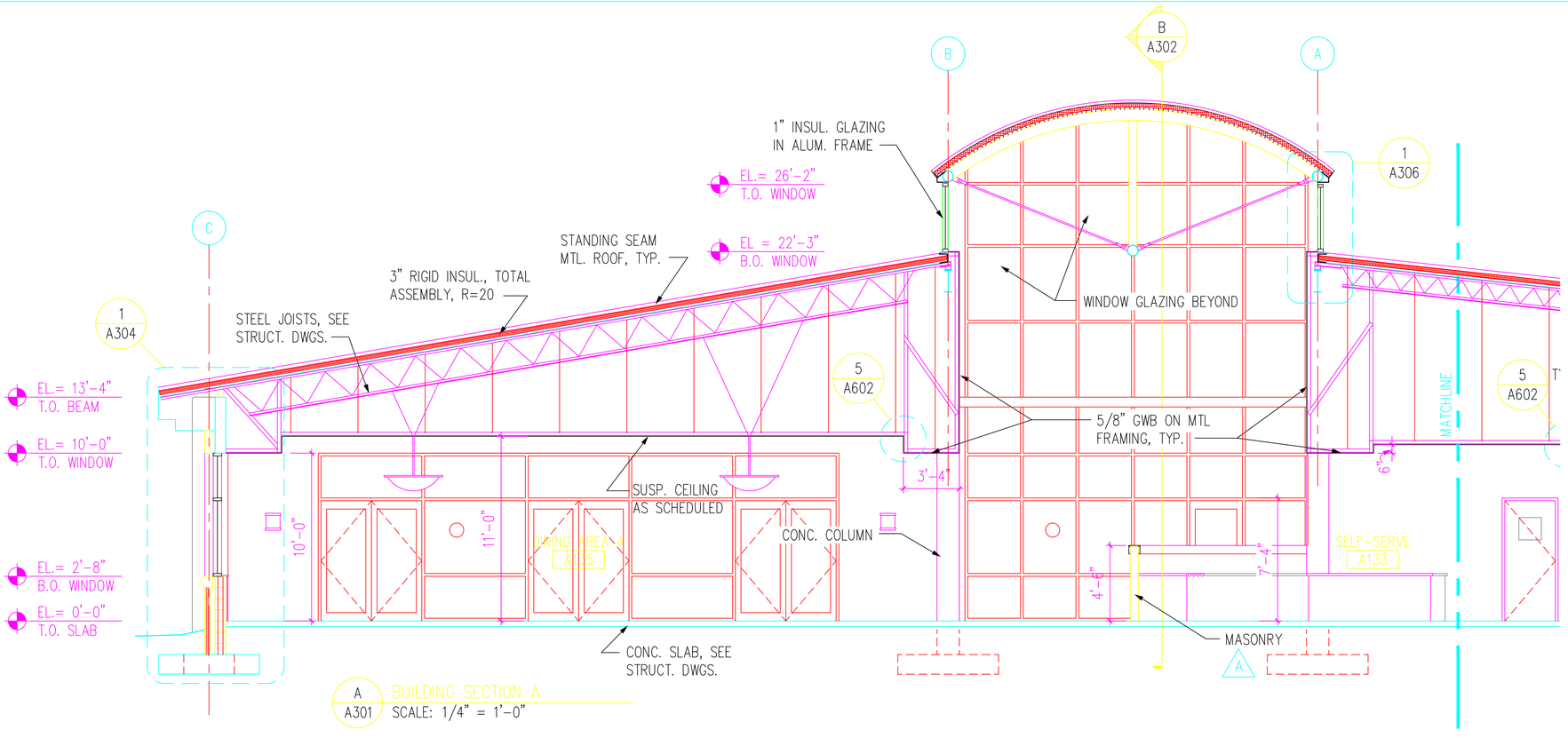
SHAW AIR FORCE BASE
SUMTER, S.C.
DINING FACILITY
BUILDING ELEVATIONS
EFD FOR COMMANDER, NAVFAC
APPROVED DATE

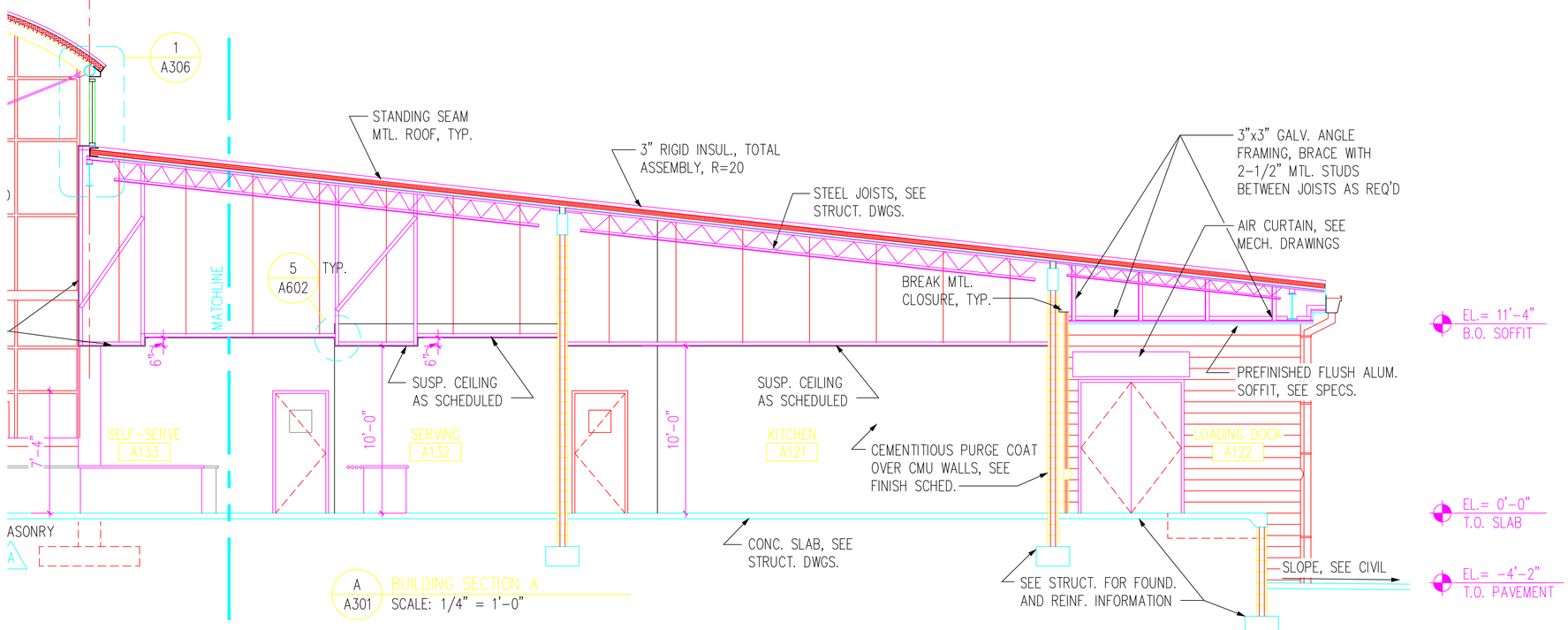
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

0 2' 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385580
SHEET 34 OF -

A300





KBJ Architects, Inc. AAC000001
510 North Julio Street
Jacksonville, Florida 32202

DSGN BEENE BR BEENE CHK CRAFT
SUPV RUTH CH ENGR –
SUBMITTED BY (FROM MEMBER-TITLE):
TECHNICAL BRANCH DATE
FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/16/03	

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

BUILDING SECTION A

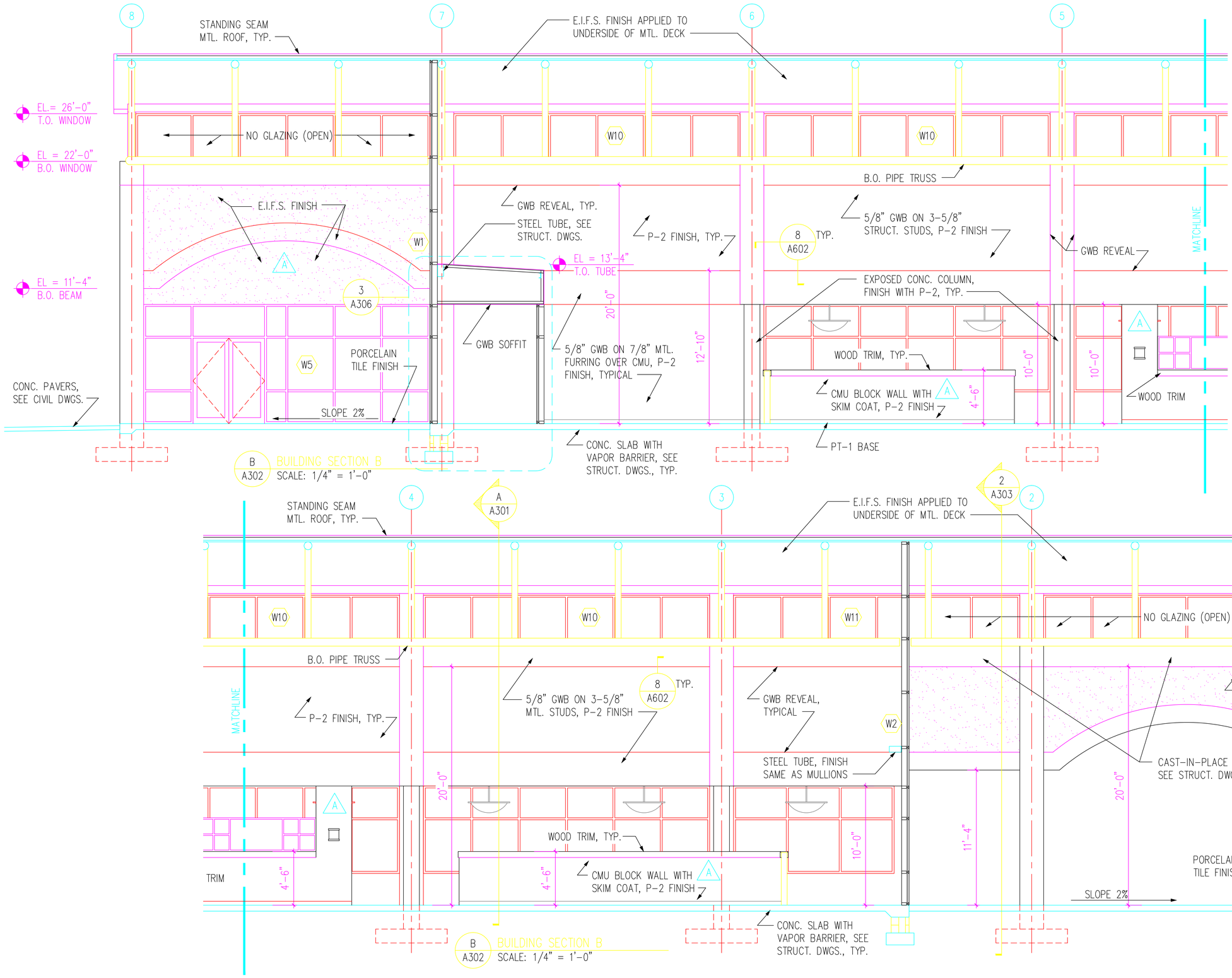
EFD FOR COMMANDER, NAVFAC DATE APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385581
SHEET 35 OF –

A301



KBJ Architects, Inc. AA0000001
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE BR BEENE CHK CRAFT
SUPV RUTH CH ENGR _ DATE
SUBMITTED BY (FROM MEMBER-TITLE):
TECHNICAL BRANCH
FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/16/03	

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

BUILDING SECTION B

ED FOR COMMANDER, NAVFAC

DATE

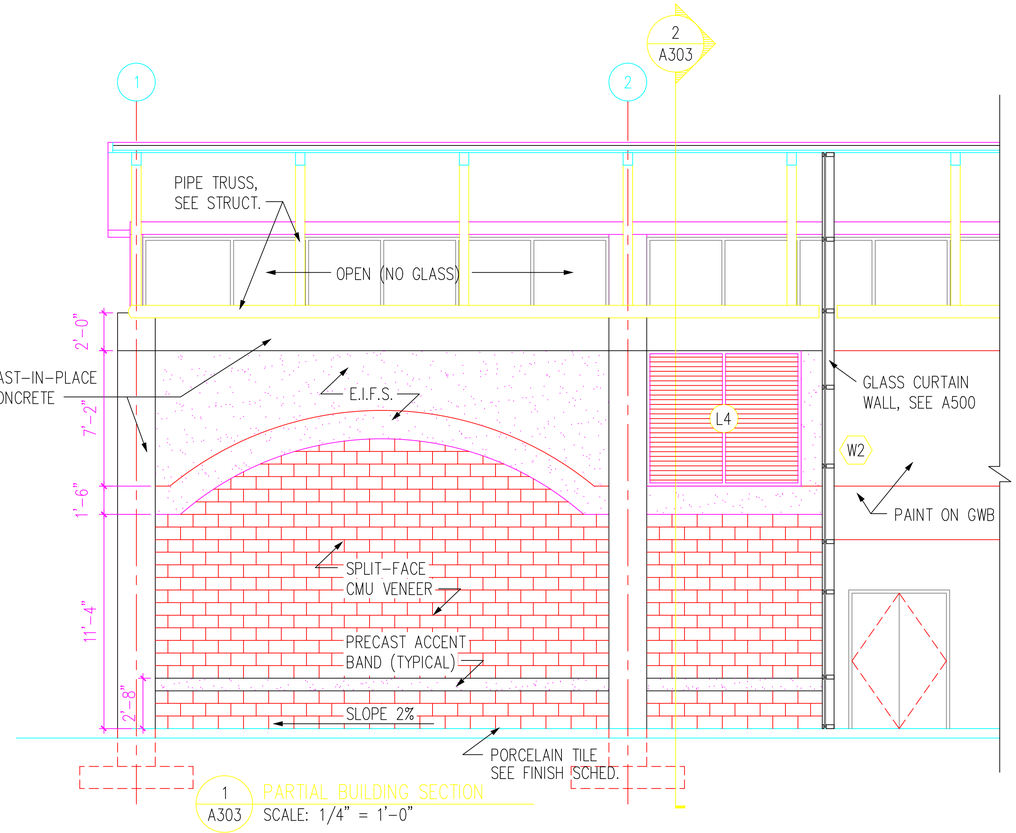
APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

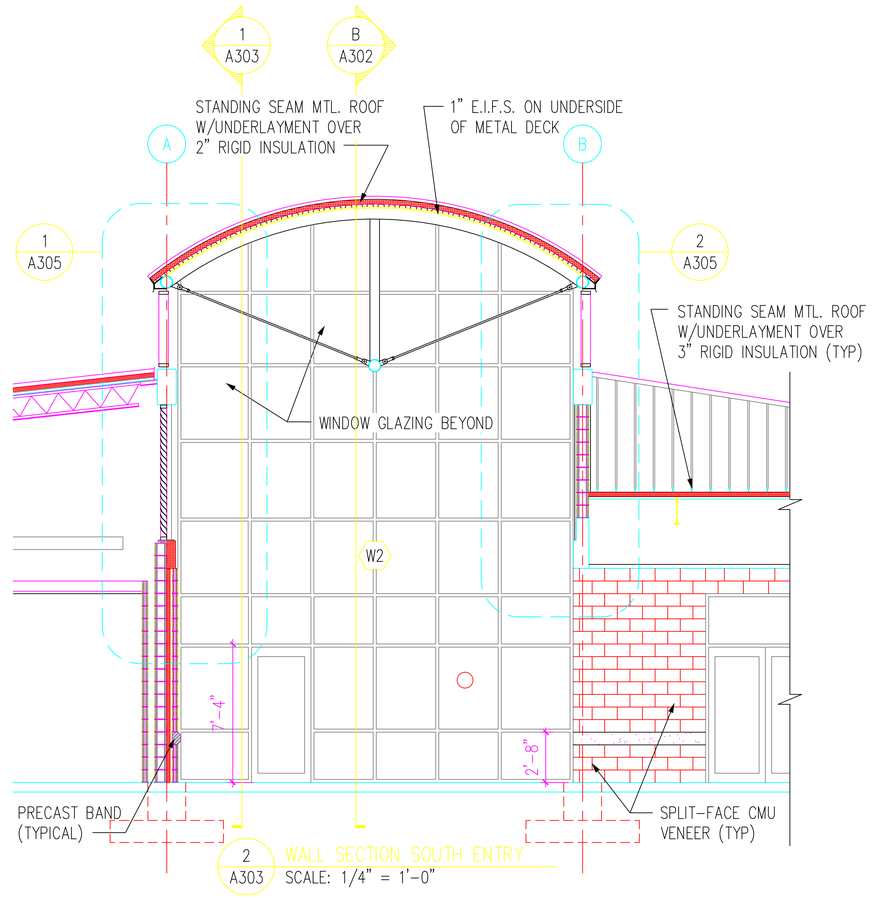
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385582
SHEET 36 OF –

A302



1 A303 PARTIAL BUILDING SECTION
SCALE: 1/4" = 1'-0"



2 A303 WALL SECTION SOUTH ENTRY
SCALE: 1/4" = 1'-0"

0 1' 2' 4' 8' 12'
SCALE: 1/4" = 1'-0"

KBJ Architects, Inc. AAC000011
510 North Julia Street 32202
Jacksonville, Florida
DSGN BEENE DR BEENE CHK CRAFT
SUPV RUTH CH ENGR – DATE
SUBMITTED BY (FIRM MEMBER-TITLE):
TECHNICAL BRANCH
FPE JIM RITCHIE

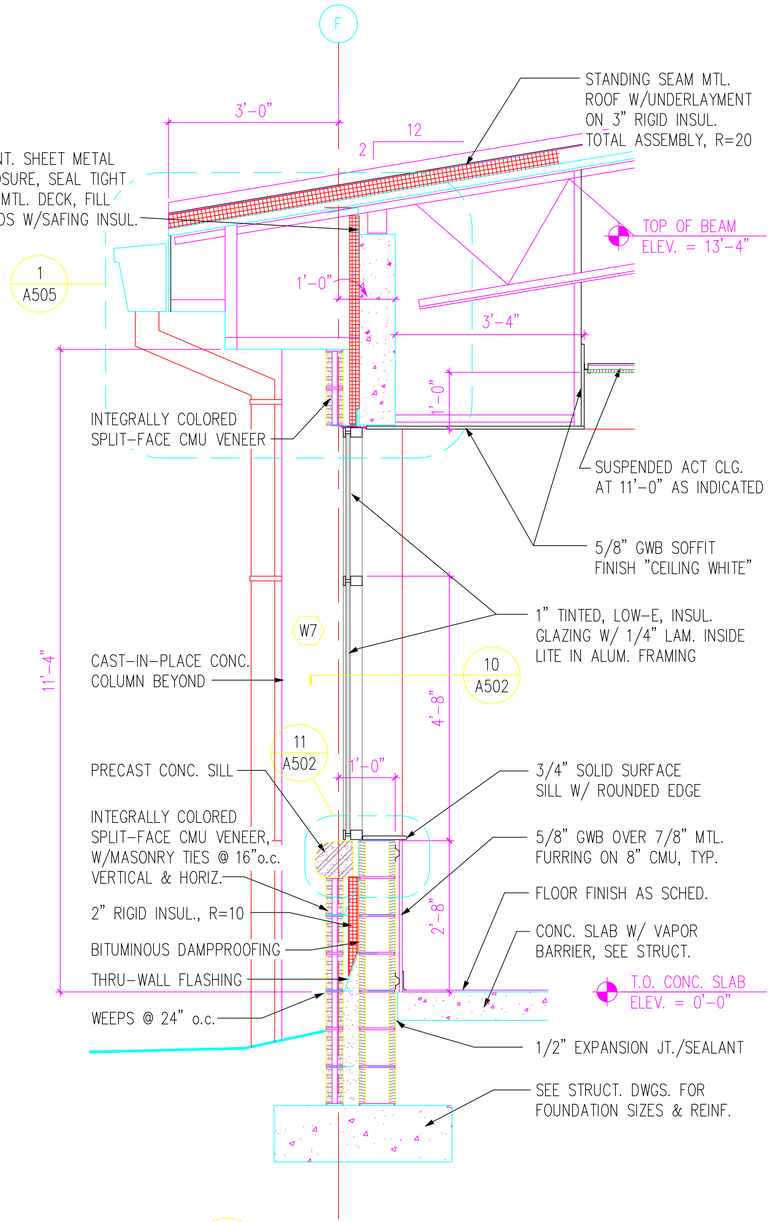
DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

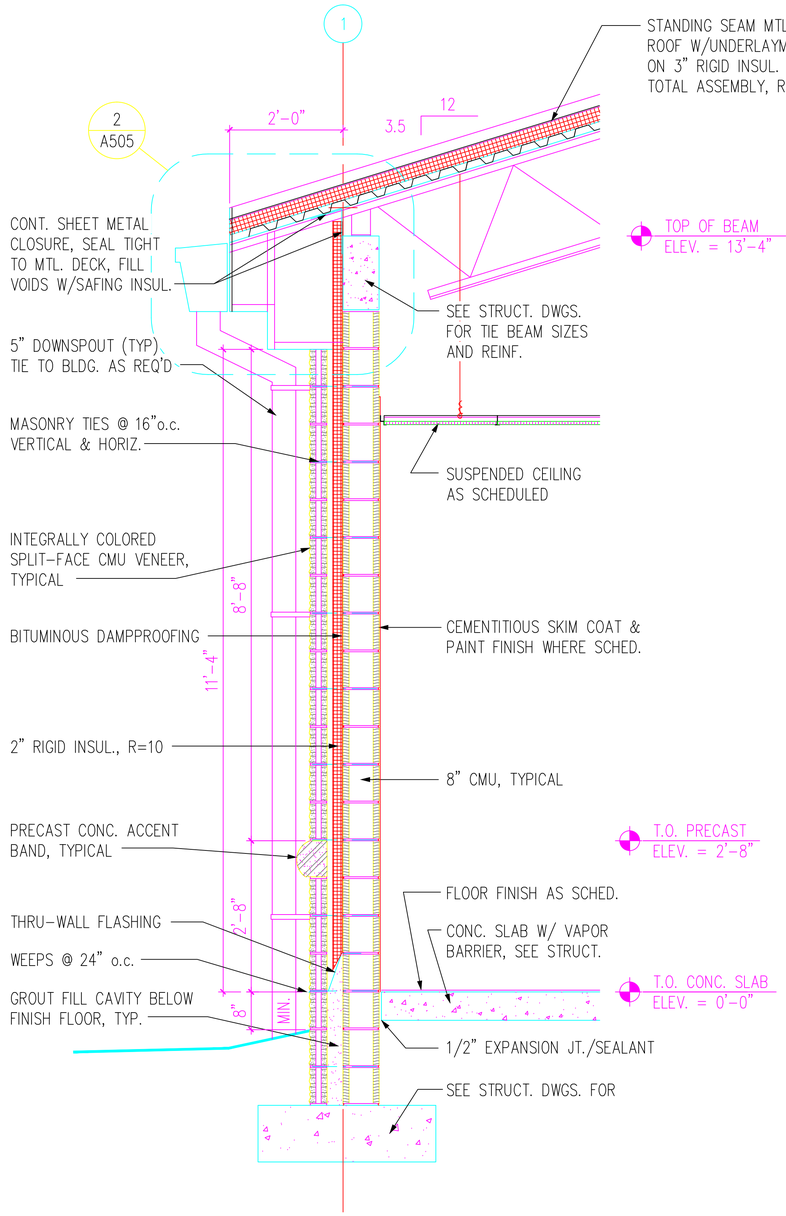
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
PARTIAL BUILDING SECTIONS
APPROVED DATE
EFD FOR COMMANDER, NAVFAC DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

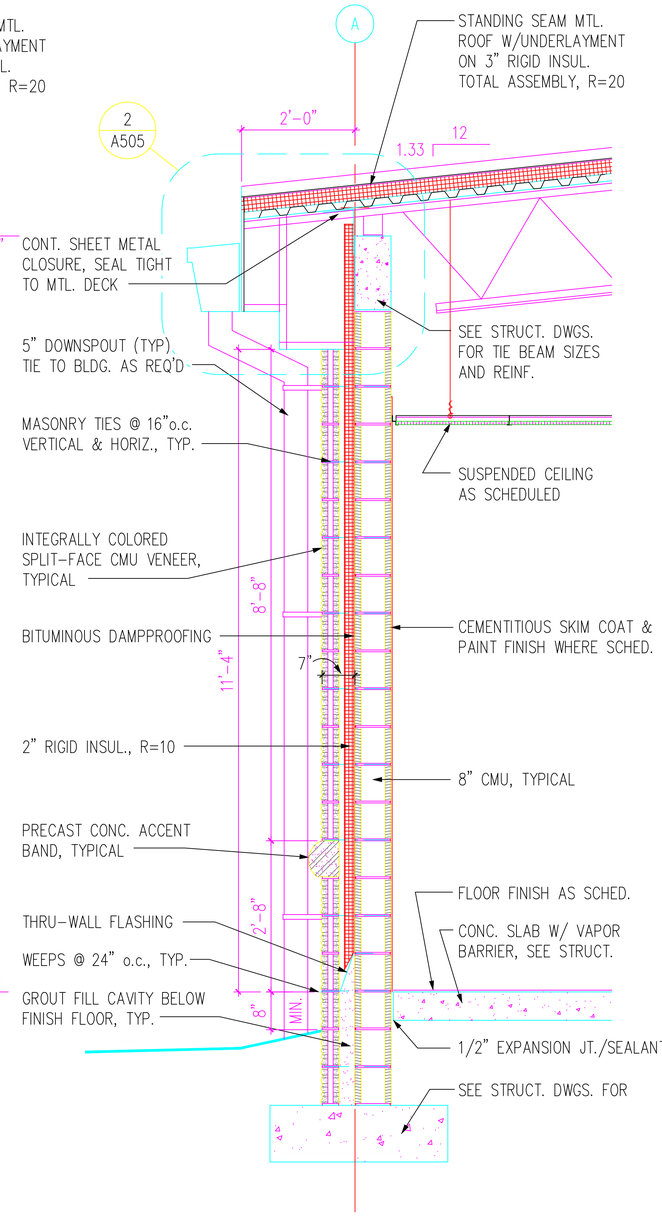
RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385583
SHEET 37 OF –
A303



1 A304 WALL SECTION – EAST WALL
SCALE: 3/4" = 1'-0"



2 A304 WALL SECTION – SOUTH WALL
SCALE: 3/4" = 1'-0"



3 A304 WALL SECTION – WEST WALL
SCALE: 3/4" = 1'-0"

0 1' 2' 4'
GRAPHIC SCALE: 3/4" = 1'-0"

KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE DR BEENE CHK CRAFT
SUPV RUTH CH ENGR –
SUBMITTED BY (FIRM MEMBER-TITLE): DATE
TECHNICAL BRANCH
JIM RITCHIE FPE

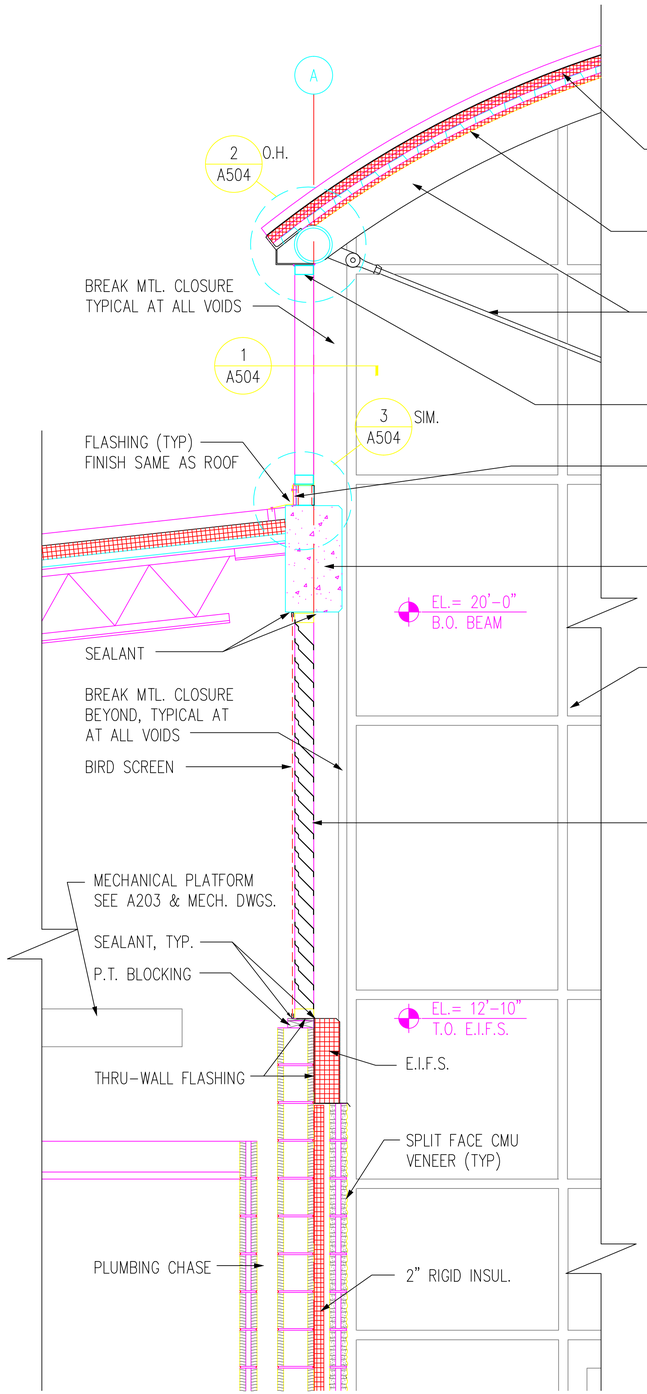
DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

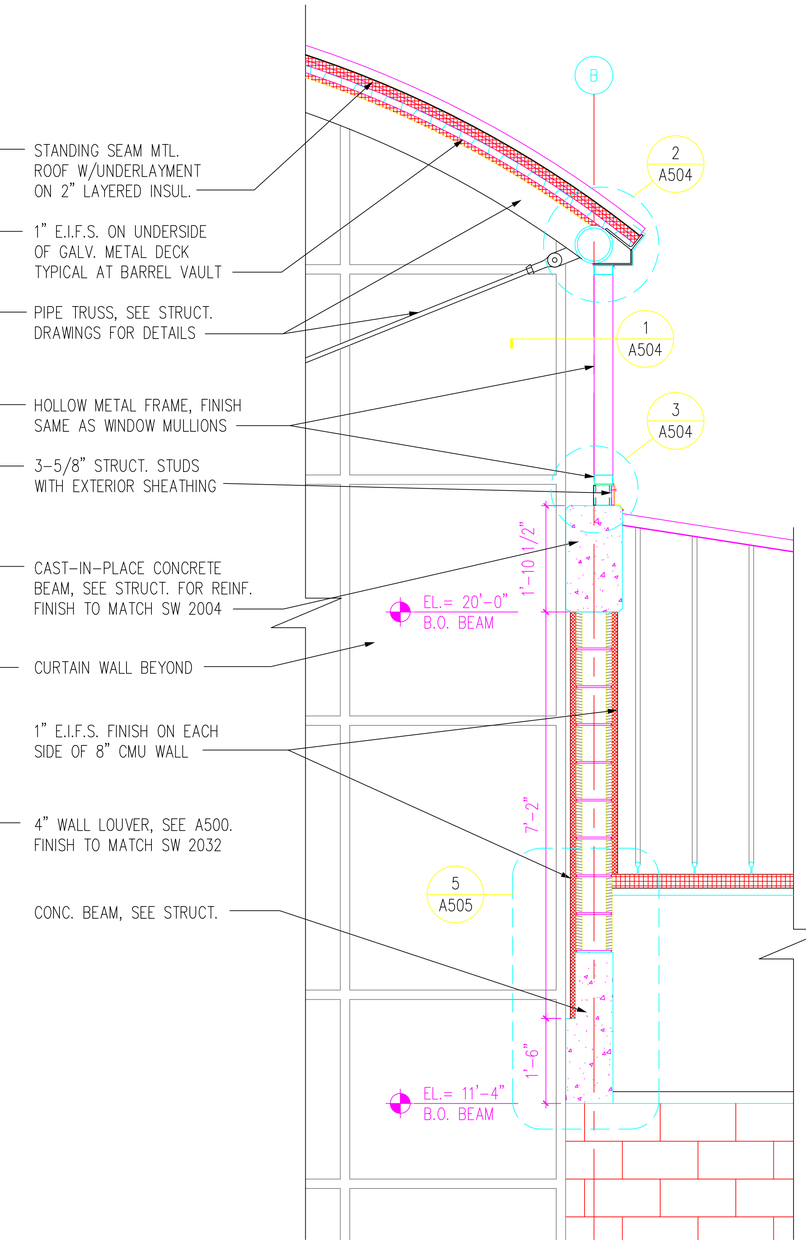
SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
EXTERIOR WALL SECTIONS
EFD FOR COMMANDER, NAVFAC
DATE
APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

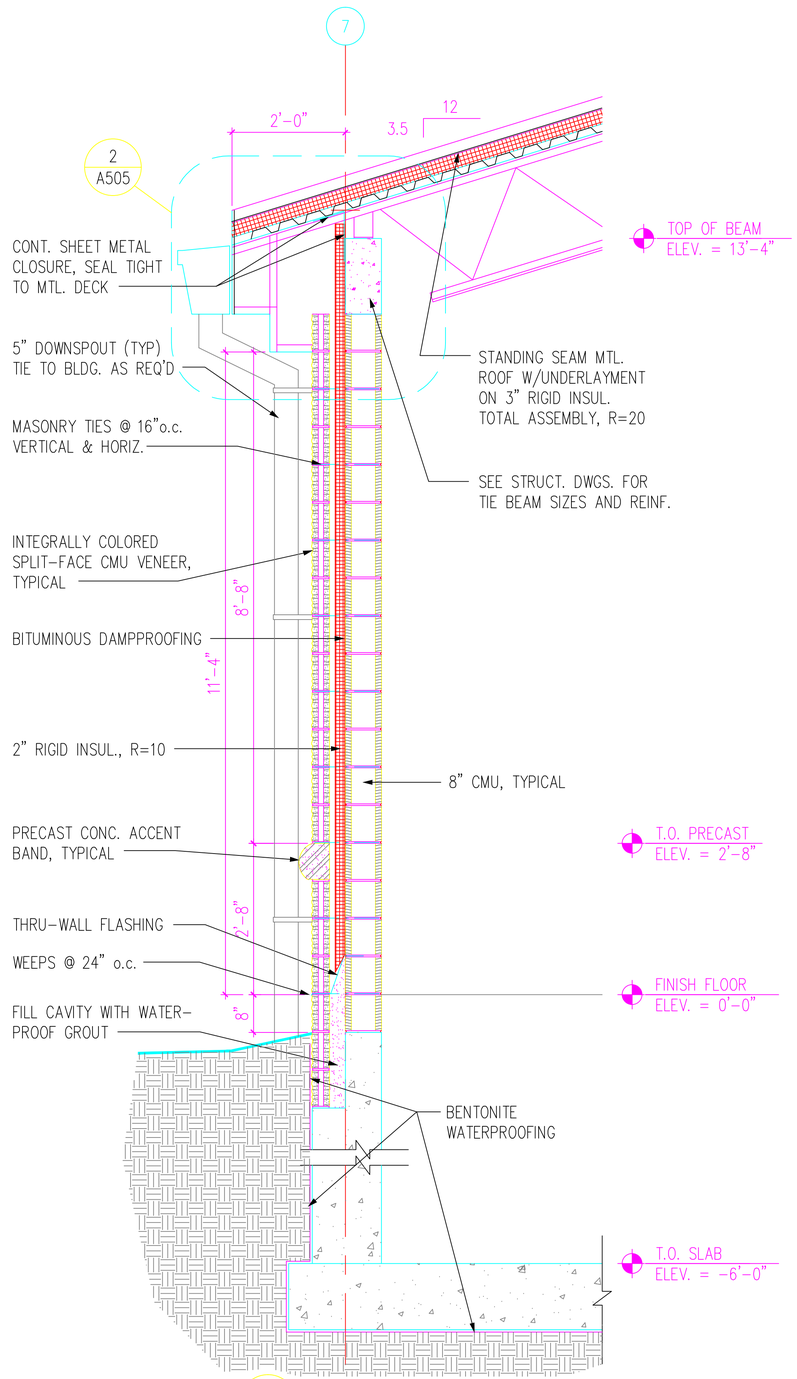
RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385584
SHEET 38 OF –
A304



1 A305 PARTIAL WALL SECTION
SCALE: 3/4" = 1'-0"



2 A305 PARTIAL WALL SECTION
SCALE: 3/4" = 1'-0"



3 A305 WALL SECTION - STEAM PIT
SCALE: 3/4" = 1'-0"

0 6" 1' 2' 4'
SCALE: 3/4" = 1'-0"

KBJ Architects, Inc. AAC00001
510 North Julio Street
Jacksonville, Florida 32202

DSGN	BEENE	BY	BEENE
CHK	CRAFT		
SUPV	RUTH	CH ENGR	-
SUBMITTED BY (FIRM MEMBER-TITLE):			DATE
TECHNICAL BRANCH			
FPE	JIM RITCHIE		

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
EXTERIOR WALL SECTIONS
EFD FOR COMMANDER, NAVFAC
DATE
APPROVED

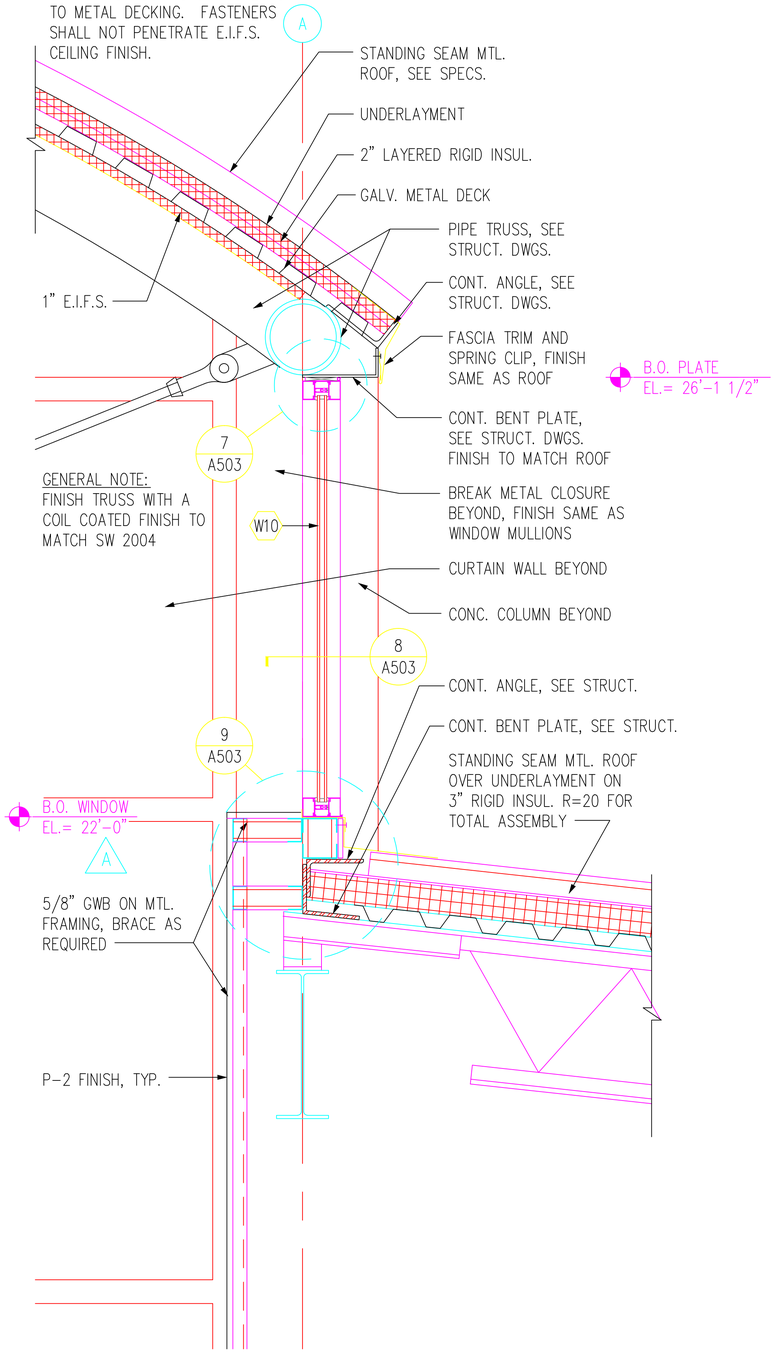
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

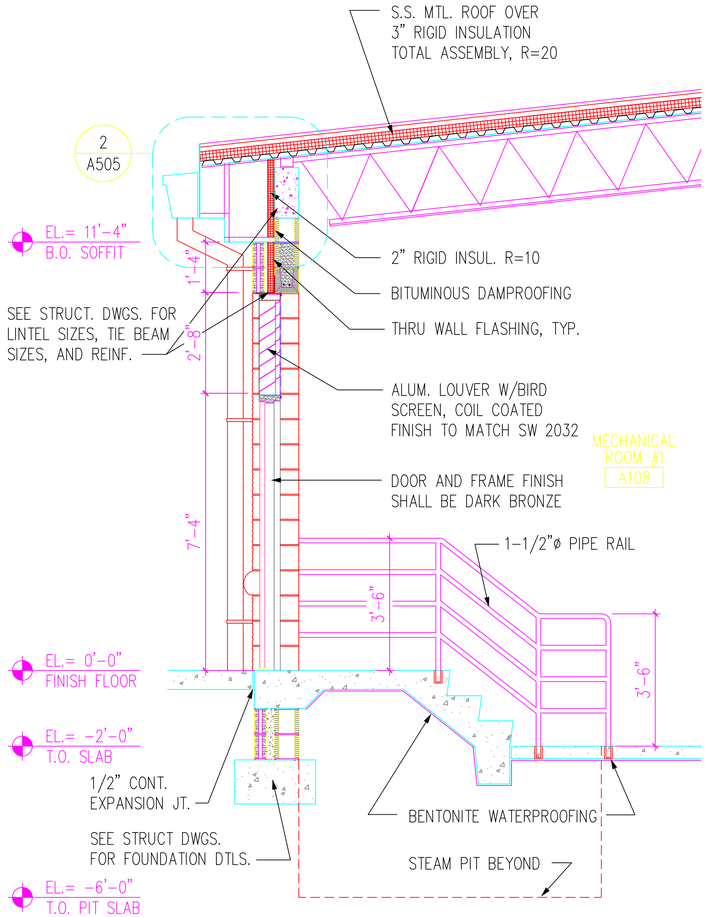
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO.
N62467-00-C-0397
NAVFAC DRAWING NO.
5385585
SHEET 39 OF -

A305

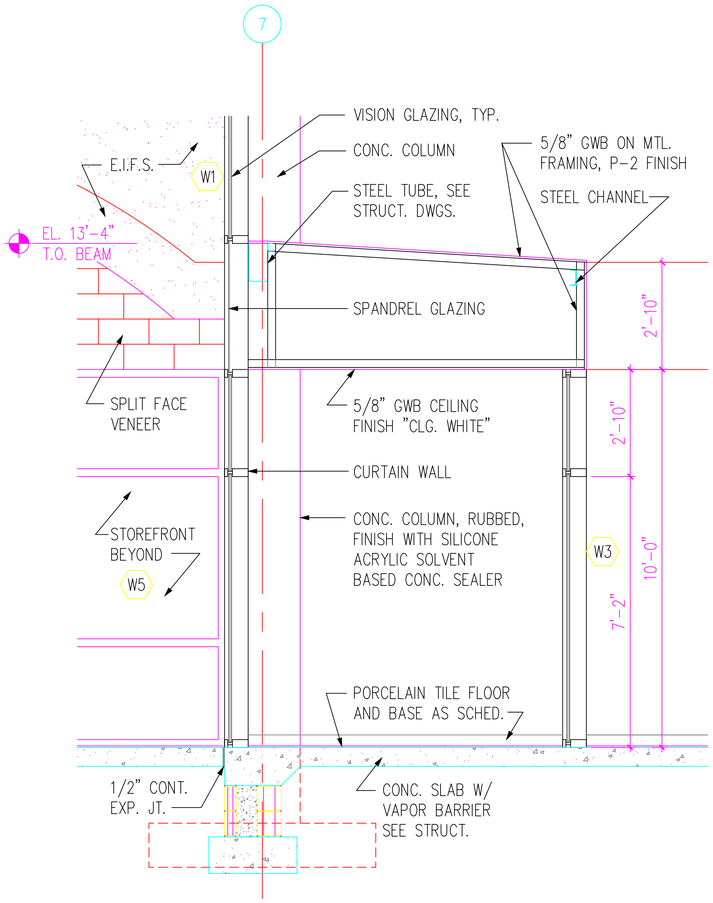
GENERAL NOTE:
CARE SHALL BE TAKEN WHEN ATTACHING ROOFING COMPONENTS TO METAL DECKING. FASTENERS SHALL NOT PENETRATE E.I.F.S. CEILING FINISH.



1 / A306 PARTIAL WALL SECTION
SCALE: 1-1/2" = 1'-0"



2 / A306 SECTION AT MECH. RM. #1
SCALE: 1/2" = 1'-0"



3 / A306 SECTION THRU ENTRY VESTIBULE
SCALE: 1/2" = 1'-0"

0 3" 6" 1' 2'
SCALE: 1-1/2" = 1'-0"

KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202

DSGN	BEENE	BR	BEENE
SUPV	RUTH	CHK	CRAFT
SUBMITTED BY (FROM MEMBER-TITLE):		CH ENGR	-
TECHNICAL BRANCH			DATE
FPE	JIM RITCHIE		

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/16/03	

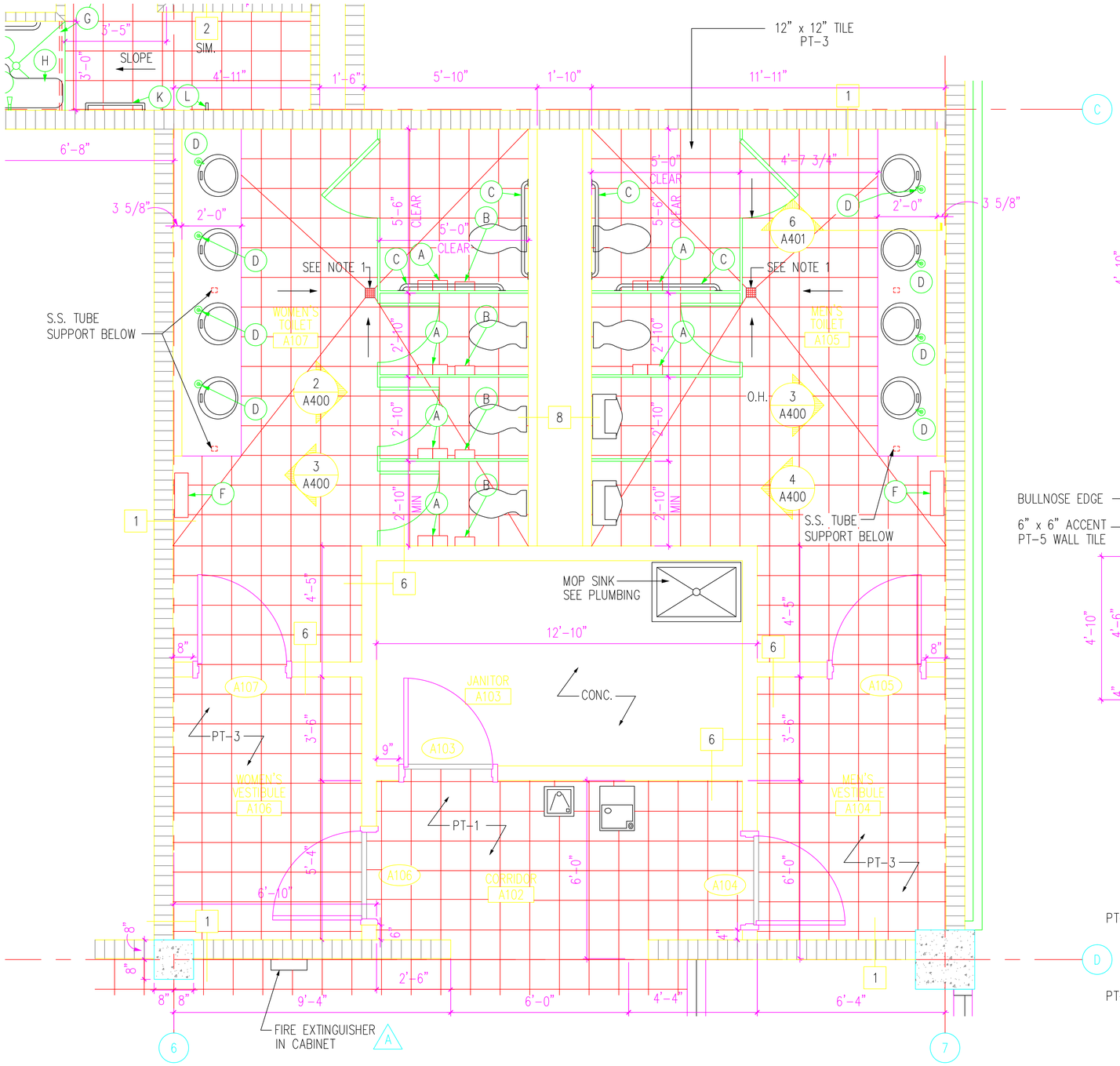
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
EXTERIOR WALL SECTIONS
APPROVED DATE
EFD FOR COMMANDER, NAVFAC DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

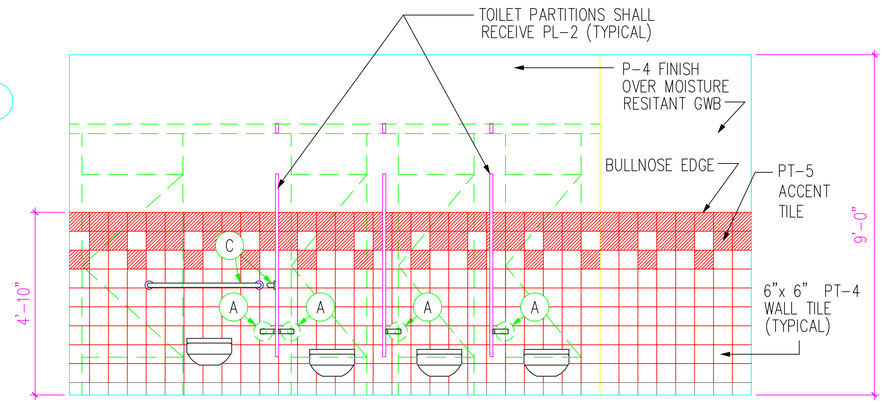
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385586
SHEET 40 OF -
A306

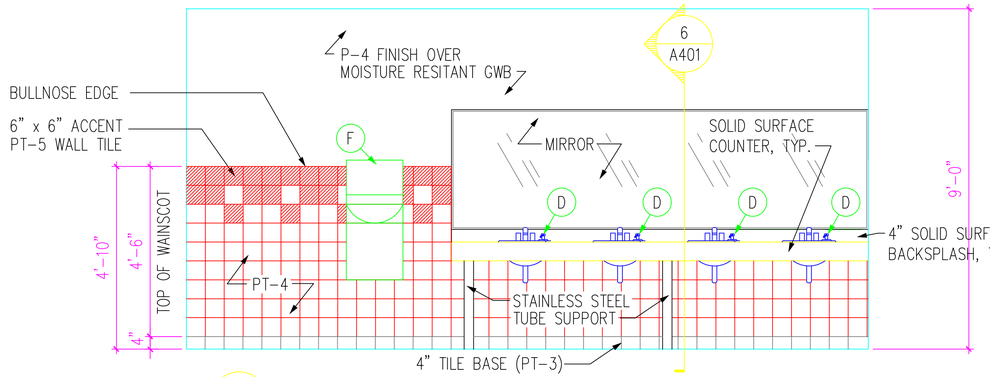
NOTE 1: RECESS FLOOR DRAIN 1", SLOPE FLOOR SLAB TO DRAIN.



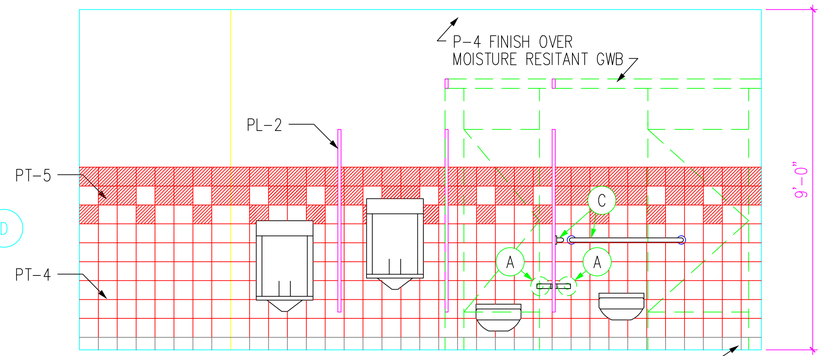
1 A400 ENLARGED FLOOR PLAN
SCALE: 1/2" = 1'-0"



2 A400 ENLARGED ELEVATION RM A107
SCALE: 1/2" = 1'-0"



3 A400 ENLARGED ELEVATION RM A107
SCALE: 1/2" = 1'-0"



4 A400 ENLARGED ELEVATION RM A105
SCALE: 1/2" = 1'-0"

NORTH

0 6" 1' 2' 4' 8'
SCALE: 1/2" = 1'-0"

KBJ Architects, Inc. AA000001
510 North Julio Street
Jacksonville, Florida 32202

DSGN BEENE BR LPB, MTH CHK CRAFT
SUPV RUTH CH ENGR –
SUBMITTED BY (FROM MEMBER-TITLE):
TECHNICAL BRANCH
FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/16/03	

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
ENLARGED TOILET PLAN AND ELEVATIONS
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

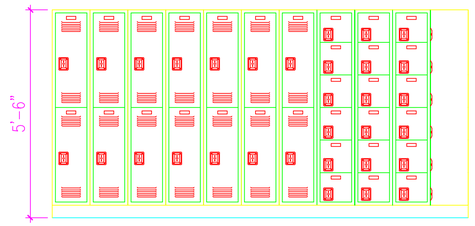
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

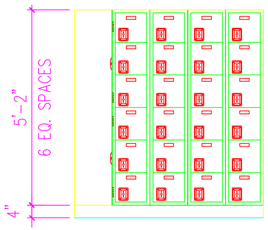
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385587
SHEET 41 OF –

A400

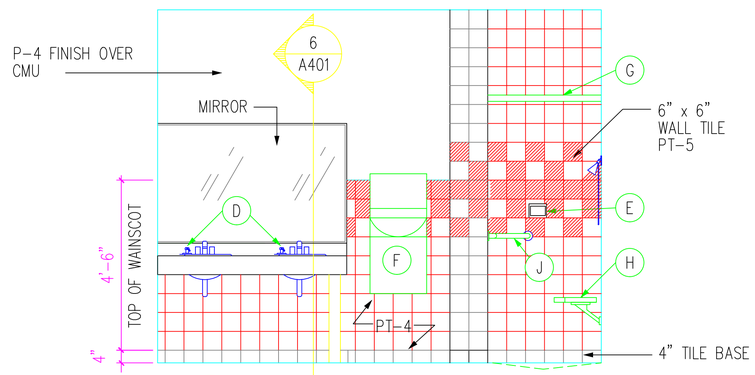
TOILET ACCESSORIES			
	ITEM	MTG. HT.	SPEC. NO.
A	TOILET PAPER DISPENSER	24"	10800
B	SANITARY NAPKIN DISPOSAL UNIT	30"	10800
C	GRAB BAR	33"	10800
D	SOAP DISPENSER (COUNTER)		10800
E	SOAP DISPENSER – H.C. (SHOWER)	40"	10800
F	PAPER TOWEL DISPENSER/ WASTE RECEPTACLE (SMALL)	60"	10800
G	SHOWER CURTAIN ROD	74"	10800
H	H.C. SHOWER SEAT	18"	10800
J	18" x 36" HORIZONAL TWO-WALL GRAB BAR	33"	10800
K	24" TOWEL BAR	48"	10800
L	ROBE HOOK	48"	10800



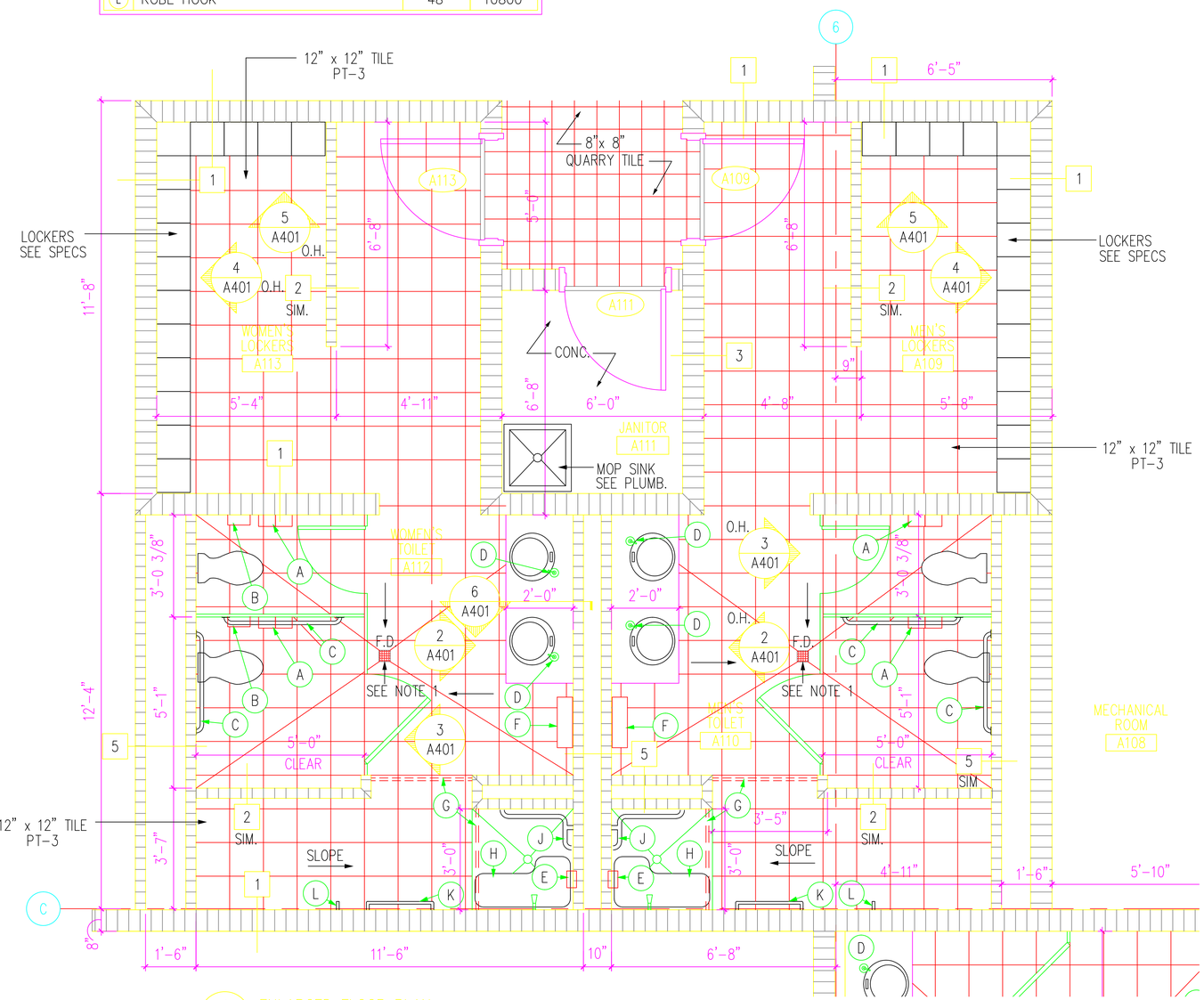
4 A401 LOCKER ELEV. SCALE: 1/2" = 1'-0"



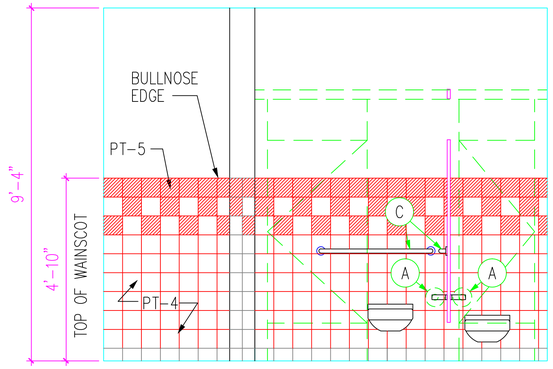
5 A401 LOCKER ELEV. SCALE: 1/2" = 1'-0"



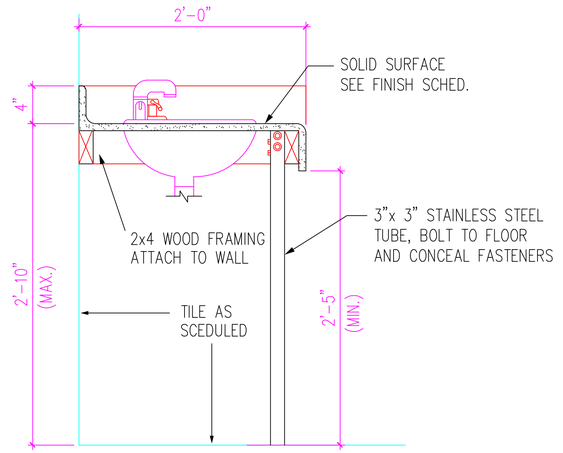
2 A401 ENLARGED ELEVATION RM A112 SCALE: 1/2" = 1'-0"



1 A401 ENLARGED FLOOR PLAN SCALE: 1/2" = 1'-0"



3 A401 ENLARGED ELEVATION RM A112 SCALE: 1/2" = 1'-0"



6 A401 SECTION AT LAVATORY SCALE: 1-1/2" = 1'-0"

NOTE 1: RECESS FLOOR DRAIN 1", SLOPE FLOOR SLAB TO DRAIN.

NORTH

0 2' 4' 8' 16' 24'

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

KBJ Architects, Inc. AA000001
510 North Julio Street
Jacksonville, Florida 32202

DSGN BEENE BR | LPB, MTH CHK | CRAFT
SUPV RUTH CH ENGR | -
SUBMITTED BY (FIRM MEMBER-TITLE): | DATE
TECHNICAL BRANCH | JIM RITCHIE
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

ENLARGED TOILET PLAN AND ELEVATIONS

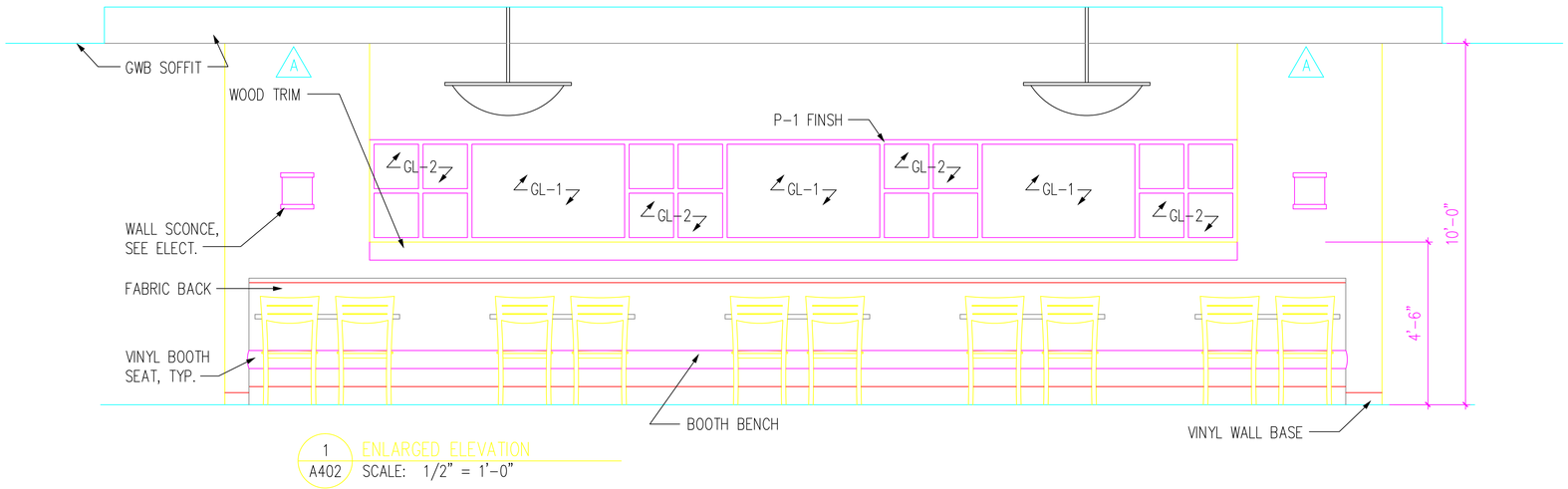
APPROVED | DATE | ED FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

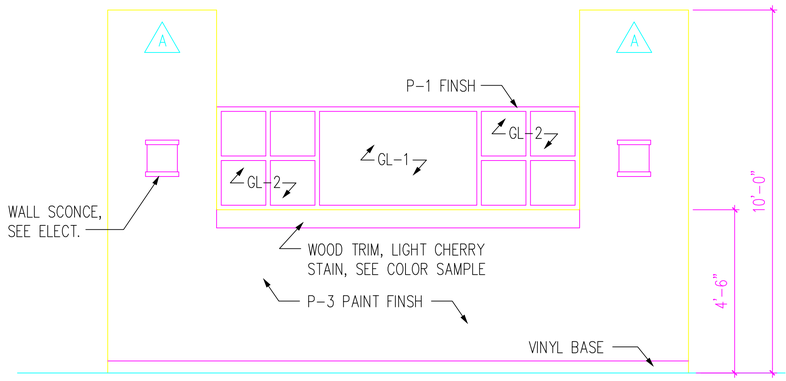
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385588
SHEET 42 OF -

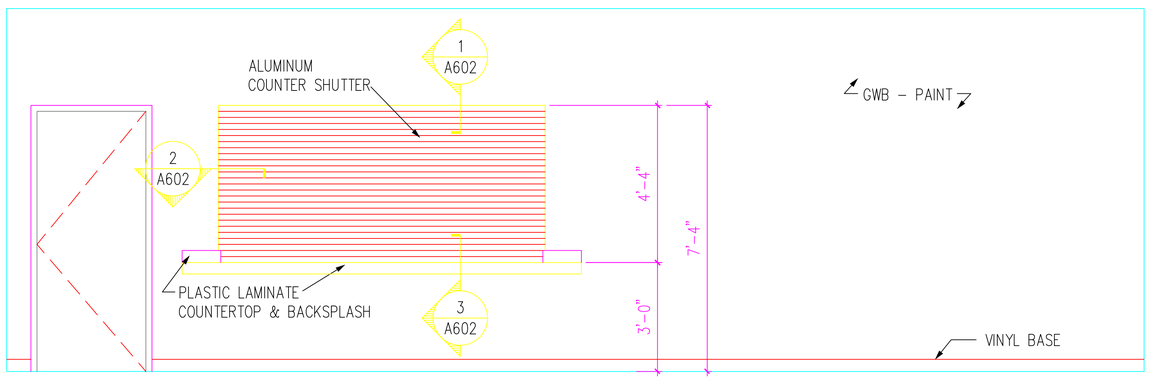
A401



1 A402 ENLARGED ELEVATION
SCALE: 1/2" = 1'-0"



2 A402 ENLARGED ELEVATION
SCALE: 1/2" = 1'-0"



3 A402 ENLARGED ELEVATION
SCALE: 1/2" = 1'-0"

0 6" 1' 2' 4' 6'
SCALE: 1/2" = 1'-0"

KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE BR BEENE CHK CRAFT
SUPV RUTH CH ENGR _ DATE
SUBMITTED BY (FROM MEMBER-TITLE):
TECHNICAL BRANCH
FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/16/03	

SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
ENLARGED INTERIOR ELEVATIONS
APPROVED DATE EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO.
N62467-00-C-0397
NAVFAC DRAWING NO.
5385589
SHEET 43 OF -

A402

WINDOW SCHEDULE

OPENING				FRAME						
MARK	WIDTH	HEIGHT	GLAZING	TYPE	MATERIAL	HEAD	JAMB	SILL	HEIGHT A.F.F. (B.O. WINDOW)	REMARKS
W1	20'-0"	VARIES	1" INSUL. & 1/4" SPANDREL	CURTAIN WALL SYSTEM	ALUM	B/A302	7/A502	3/A306	0'-0"	ALSO SEE 8/S202
W2	20'-11"	VARIES	1" INSUL. GLASS	CURTAIN WALL SYSTEM	ALUM	B/A302	2/A503 SIM.	3/A306 SIM.	0'-0"	ALSO SEE 7/S202
W3	22'-2"	10'-0"	1/4" CLEAR GLASS	CURTAIN WALL SYSTEM	ALUM	3/A306	7/A502 SIM.	3/A306	0'-0"	-
W4	31'-0"	10'-0"	1" INSUL. GLASS	STOREFRONT SYSTEM	ALUM	9/A502	2/A503 SIM.	-	0'-0"	-
W5	24'-0"	10'-0"	1" INSUL. GLASS	STOREFRONT SYSTEM	ALUM	1/A503	10/A502 SIM.	-	0'-0"	-
W6	5'-4"	7'-4"	1" INSUL. GLASS	STOREFRONT SYSTEM	ALUM	1/A503 SIM.	2/A503 SIM.	-	0'-0"	-
W7	24'-0"	7'-4"	1" INSUL. GLASS	STOREFRONT SYSTEM	ALUM	9/A502	10/A502	11/A502	2'-8"	-
W8	VARIES	7'-4"	1" INSUL. GLASS	STOREFRONT SYSTEM	ALUM	9/A502	10/A502&2/A503	11/A502	2'-8"	-
W9	4'-8"	2'-8"	1" INSUL. GLASS	FIXED	ALUM	1/A503	2/A503	3/A503	4'-8"	-
W10	24'-0"	3'-10"	1" INSUL. GLASS	STOREFRONT SYSTEM	ALUM	7/A503	8/A503	9/A503	22'-3"	-
W11	24'-0"	3'-10"	1" INSUL. & OPEN	STOREFRONT SYSTEM	ALUM	7/A503	8/A503	9/A503	22'-3"	-
W12	24'-0"	3'-10"	OPEN (NO GLASS)	FIXED	HM	7/A503 SIM.	8/503 SIM.	9/A503 SIM.	22'-3"	HOLLOW TUBE FRAME
W13	24'-0"	2'-10"	GL-1 & GL-2	FIXED	HM	-	-	-	4'-6"	SEE FINISH SCHEDULE
W14	10'-0"	2'-10"	GL-1 & GL-2	FIXED	HM	-	-	-	4'-6"	SEE FINISH SCHEDULE

NOTE FOR ALL INSUL. GLAZING:
1" INSUL. GLAZING: 1/4" CLEAR LAMINATED INSIDE LIGHT; 1/4" GREEN TINT, LOW-E OUTSIDE LIGHT; TOTAL ASSEMBLY SHALL HAVE A MAXIMUM .32 SHADING COEFFICIENT, TYP.

LOUVER SCHEDULE

OPENING			FRAME TYPE					
TYPE	WIDTH	HEIGHT	MATERIAL	HEAD	JAMB	SILL	HEIGHT A.F.F. (BTM. OF LOUVER)	REMARKS
L1	8'-4"	2'-10"	ALUM.	4/A503	5/A503	2/A306	7'-2"	-
L2	3'-0"	4'-8"	ALUM.	4/A503	5/A503	6/A503	2'-8"	-
L3	5'-0"	7'-4"	ALUM.	9/A502 SIM.	10/A502 SIM.	11/A502 SIM.	2'-8"	-
L4	8'-2"	7'-2"	ALUM.	1/A305	-	1/A305	12'-10"	-

GENERAL NOTES:
1. OPENING SIZES ARE FOR PRICING PURPOSES ONLY, CONTRACTOR SHALL VERIFY AND COORDINATE WINDOWS AND LOUVERS WITH FIELD CONDITIONS PRIOR TO PURCHASING.
2. ALL WINDOW MULLIONS SHALL HAVE A COIL COATED FINISH AND SHALL BE "DARK BRONZE" IN COLOR.
3. ALL LOUVERS AND FRAMES SHALL HAVE A COIL COATED FINISH AND SHALL MATCH SHERWIN-WILLIAMS SW2032 IN COLOR.

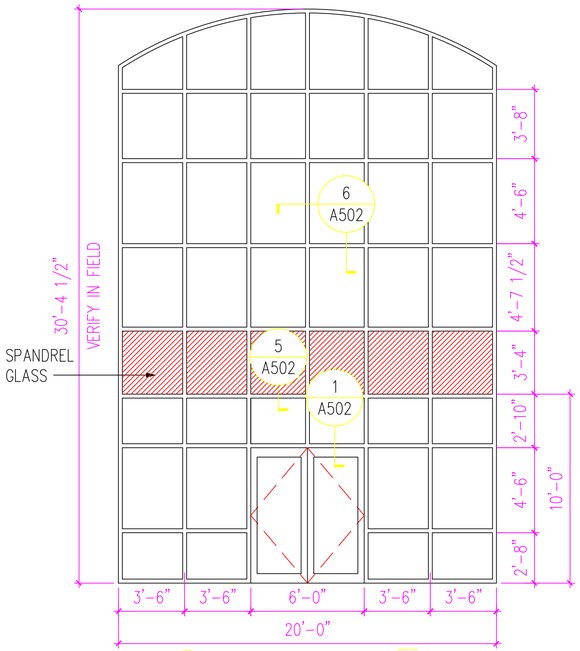
KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202
BEENE BEENE CRAFT
RUTH -
JIM RITCHIE

DRAWING REVISIONS
Rev. Description Prep By Date Approv.
ASBUILT

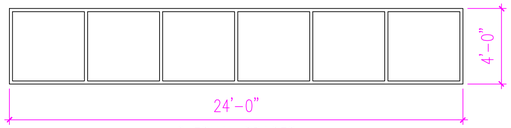
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
WINDOW & LOUVER SCHEDULES

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina
CODE I.D. NO. 80091
DRAWING SIZE D
SPEC. NO. 08-00-0397
CONSTR. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385560
SHEET 44 OF -

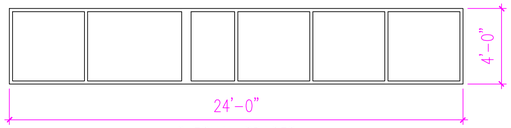
A500



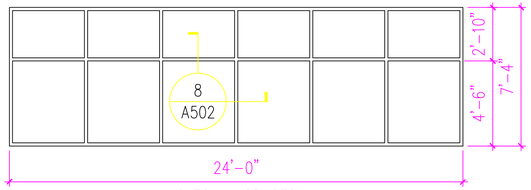
1 A501 WINDOW ELEVATION W1
SCALE: 1/4" = 1'-0"



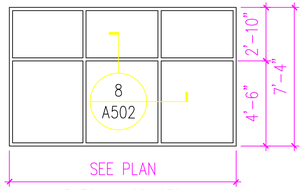
3 A501 WINDOW ELEVATION W10 W12
SCALE: 1/4" = 1'-0"



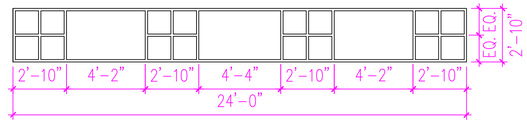
8 A501 WINDOW ELEVATION W11
SCALE: 1/4" = 1'-0"



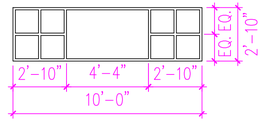
4 A501 WINDOW ELEVATION W7
SCALE: 1/4" = 1'-0"



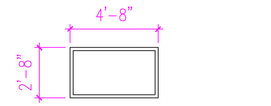
9 A501 WINDOW ELEVATION W8
SCALE: 1/4" = 1'-0"



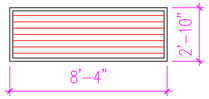
12 A501 WINDOW ELEVATION W13
SCALE: 1/4" = 1'-0"



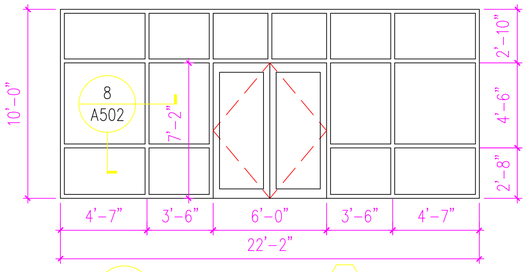
13 A501 WINDOW ELEVATION W14
SCALE: 1/4" = 1'-0"



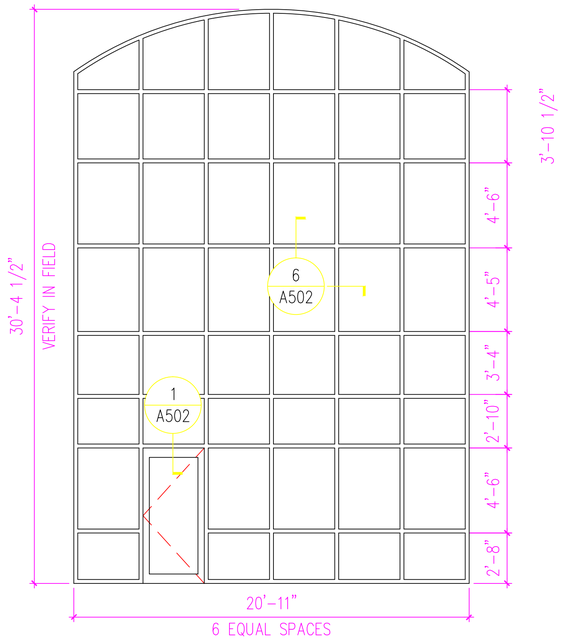
10 A501 WINDOW ELEVATION W9
SCALE: 1/4" = 1'-0"



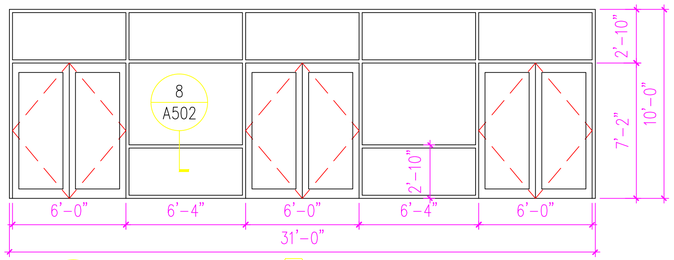
14 A501 WINDOW ELEVATION L1
SCALE: 1/4" = 1'-0"



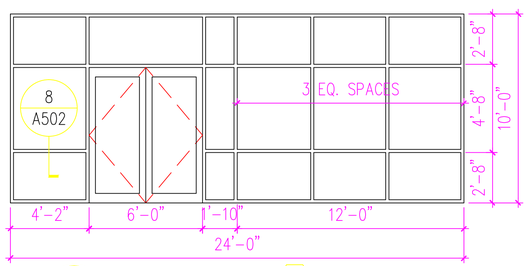
5 A501 WINDOW ELEVATION W3
SCALE: 1/4" = 1'-0"



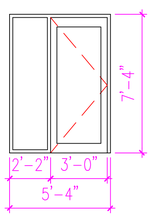
2 A501 WINDOW ELEVATION W2
SCALE: 1/4" = 1'-0"



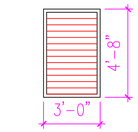
6 A501 WINDOW ELEVATION W4
SCALE: 1/4" = 1'-0"



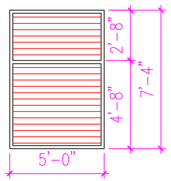
7 A501 WINDOW ELEVATION W5
SCALE: 1/4" = 1'-0"



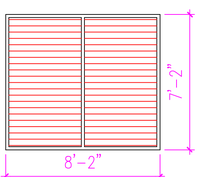
11 A501 WINDOW ELEVATION W6
SCALE: 1/4" = 1'-0"



15 A501 LOUVER ELEVATION L2
SCALE: 1/4" = 1'-0"



16 A501 LOUVER ELEVATION L3
SCALE: 1/4" = 1'-0"



17 A501 LOUVER ELEVATION L4
SCALE: 1/4" = 1'-0"

0 1' 2' 4' 8' 12'
SCALE: 1/4" = 1'-0"

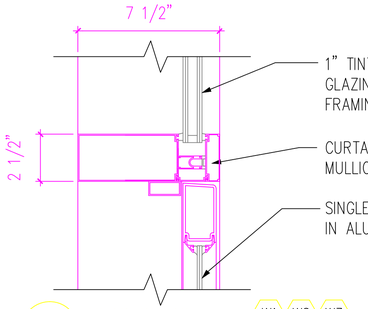
KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202
DSGN BEENE DR BEENE CHK CRAFT
SUPV RUTH CH ENGR – DATE
SUBMITTED BY (FIRM MEMBER-TITLE):
TECHNICAL BRANCH FPE
JIM RITCHIE

DRAWING REVISIONS
Rev. Description Prep By Date Apprvd.
ASBUILT

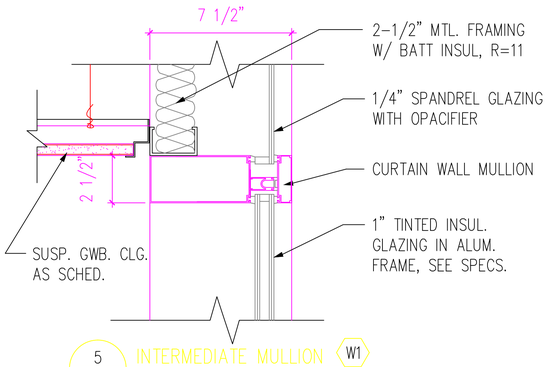
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
WINDOW & LOUVER ELEVATIONS
APPROVED DATE
EFD FOR COMMANDER, NAVFAC DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

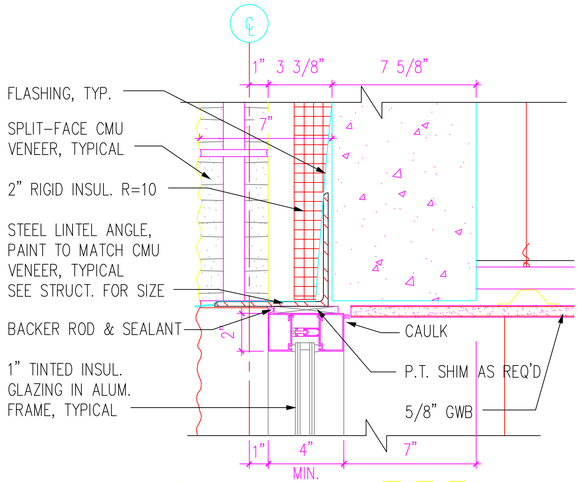
RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385591
SHEET 45 OF –
A501



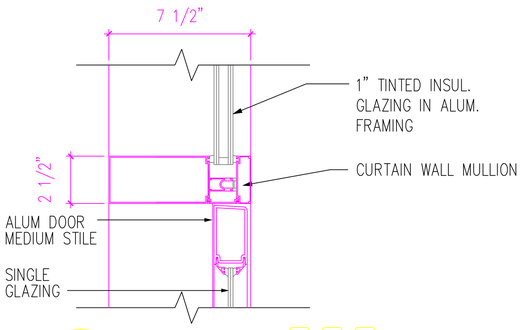
1 A502 HEAD DETAIL W1 W2 W3
SCALE: 3" = 1'-0"



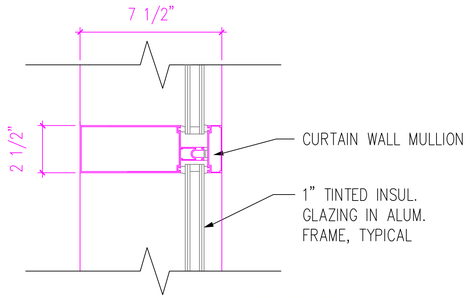
5 A502 INTERMEDIATE MULLION W1
SCALE: 3" = 1'-0"



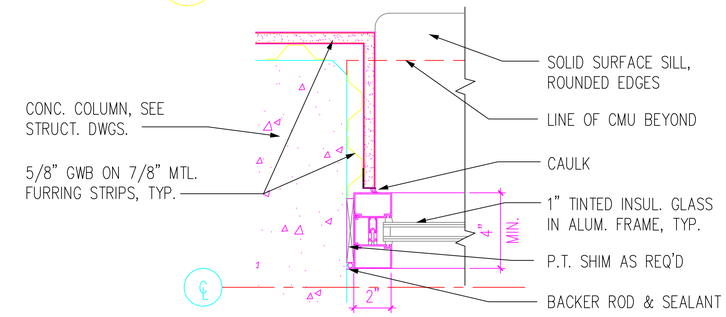
9 A502 HEAD DETAIL W4 W7 W8
SCALE: 3" = 1'-0"



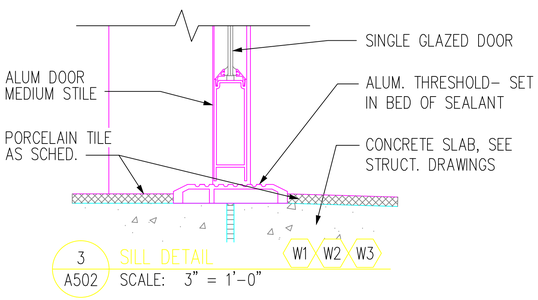
2 A502 JAMB DETAIL W1 W2 W3
SCALE: 3" = 1'-0"



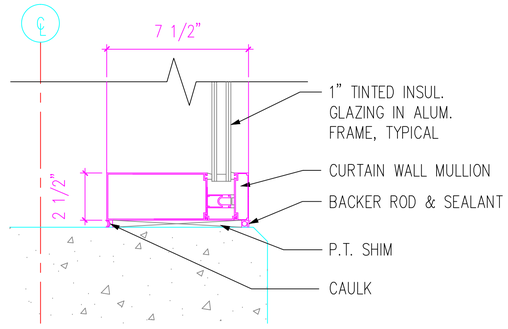
6 A502 INTERMEDIATE MULLION W1 W2 W3
SCALE: 3" = 1'-0"



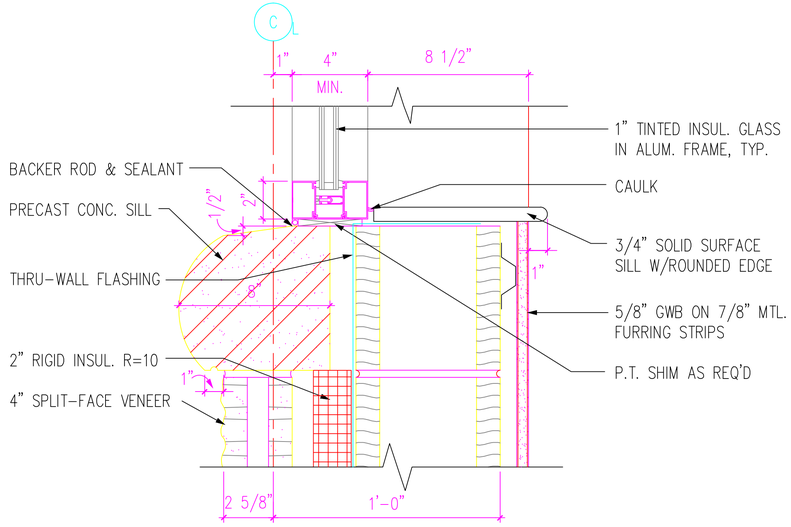
10 A502 JAMB DETAIL W7 W8
SCALE: 3" = 1'-0"



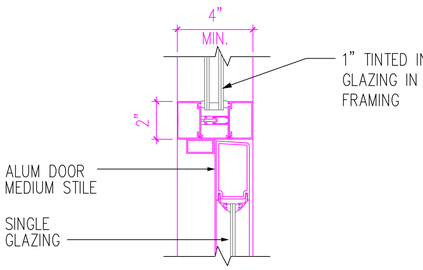
3 A502 SILL DETAIL W1 W2 W3
SCALE: 3" = 1'-0"



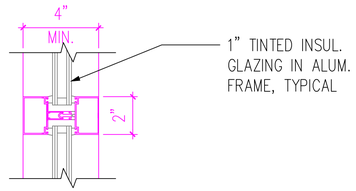
7 A502 JAMB DETAIL W1
SCALE: 3" = 1'-0"



11 A502 SILL DETAIL W7 W8
SCALE: 3" = 1'-0"



4 A502 HEAD DETAIL (JAMB SIM) W4 W5
SCALE: 3" = 1'-0"



8 A502 INTERMEDIATE MULLION
SCALE: 3" = 1'-0"

0 1" 2" 4" 8" 1'
SCALE: 3" = 1'-0"

KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202
DSGN BEENE BR BEENE CHK CRAFT
SUPV RUTH CH ENGR –
SUBMITTED BY (FIRM MEMBER-TITLE): DATE
TECHNICAL BRANCH FPE JIM RITCHIE

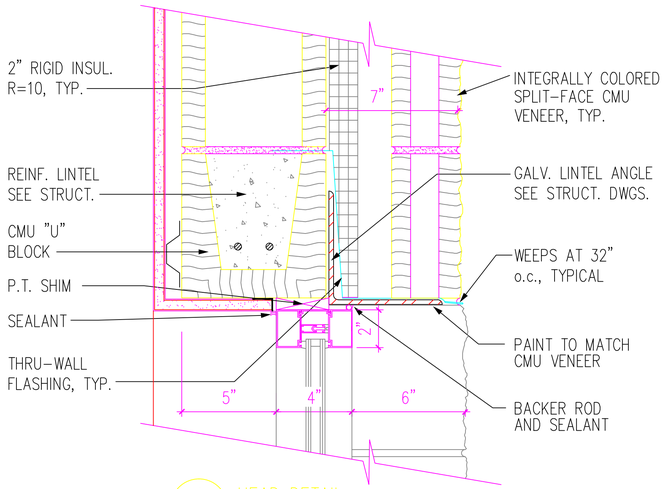
DRAWING REVISIONS
Rev. Description Prep By Date Apprvd.
ASBUILT

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
WINDOW DETAILS
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

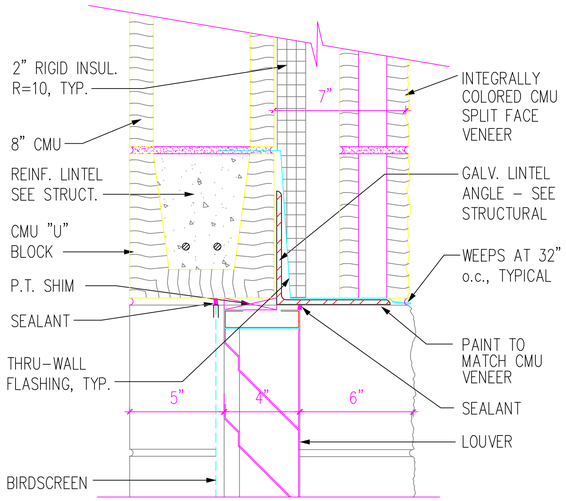
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385592
SHEET 46 OF –

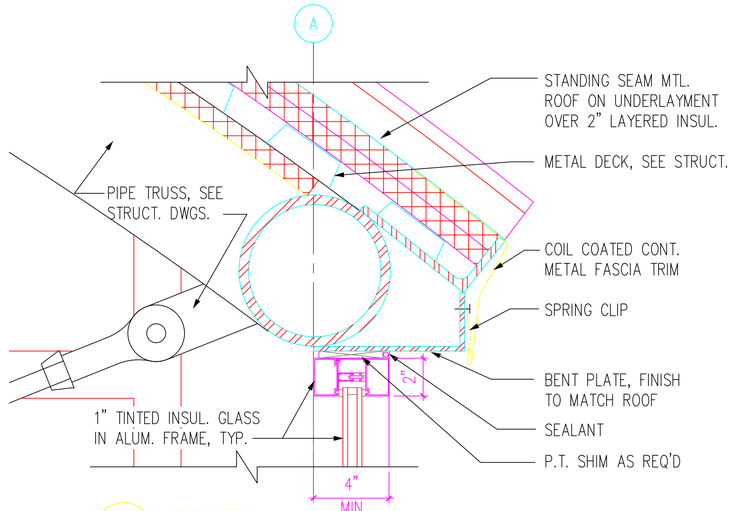
A502



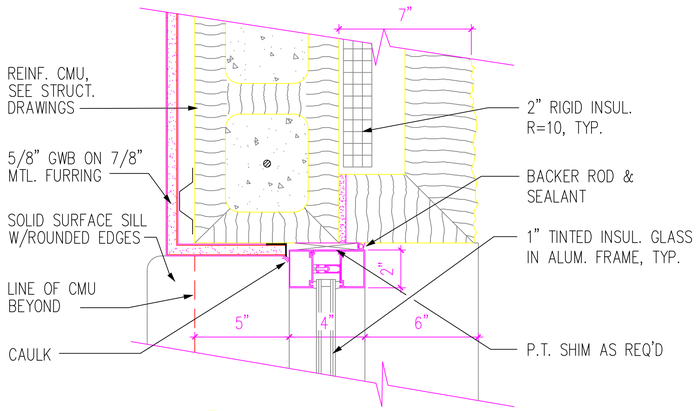
1 A503 HEAD DETAIL
SCALE: 3" = 1'-0"



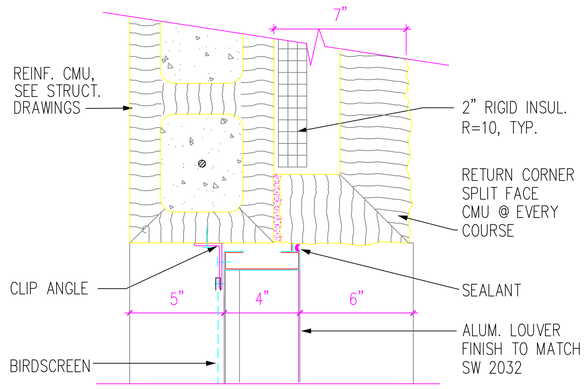
4 A503 LOUVER HEAD DETAIL
SCALE: 3" = 1'-0"



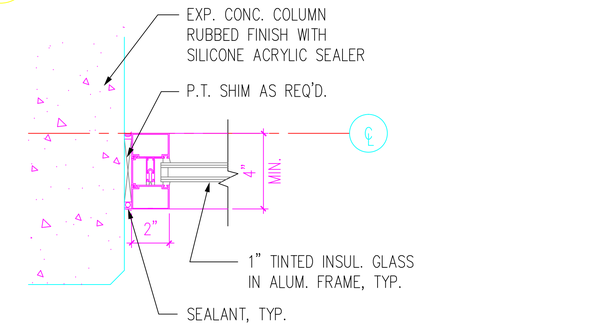
7 A503 HEAD DETAIL
SCALE: 3" = 1'-0"



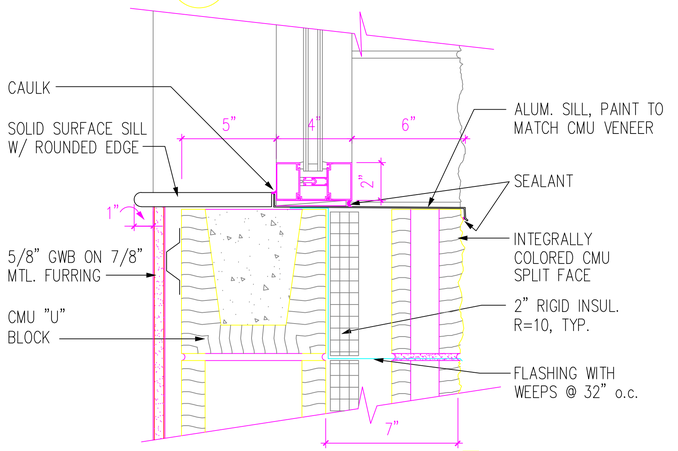
2 A503 JAMB DETAIL
SCALE: 3" = 1'-0"



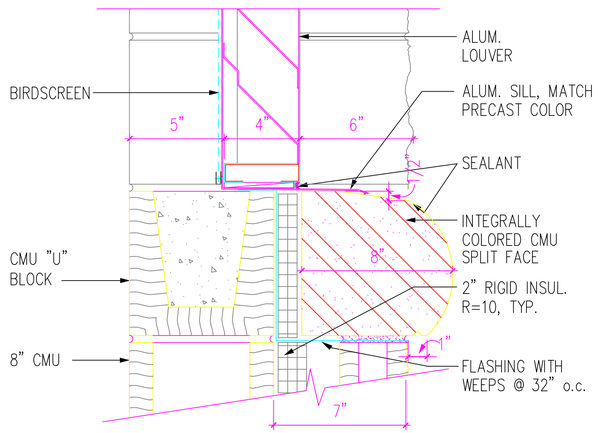
5 A503 LOUVER JAMB DETAIL
SCALE: 3" = 1'-0"



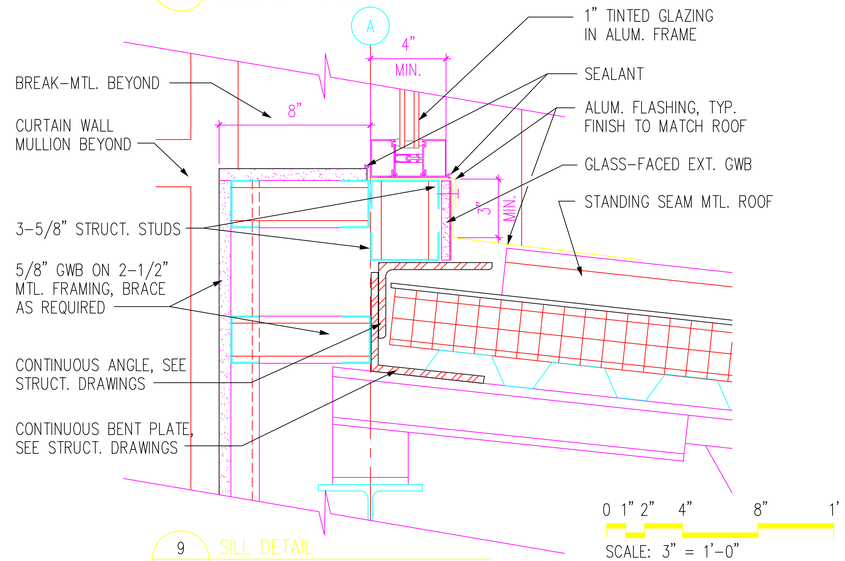
8 A503 JAMB DETAIL
SCALE: 3" = 1'-0"



3 A503 SILL DETAIL
SCALE: 3" = 1'-0"



6 A503 LOUVER SILL DETAIL
SCALE: 3" = 1'-0"



9 A503 SILL DETAIL
SCALE: 3" = 1'-0"

KBJ Architects, Inc. AAC000011
510 North Julio Street
Jacksonville, Florida 32202
DSGN BEENE BR BEENE CHK CRAFT
SUPV RUTH CH ENGR _ DATE
SUBMITTED BY (FIRM MEMBER-TITLE):
TECHNICAL BRANCH
FPE JIM RITCHIE

DRAWING REVISIONS
Rev. Description Prep By Date Apprvd.
ASBUILT

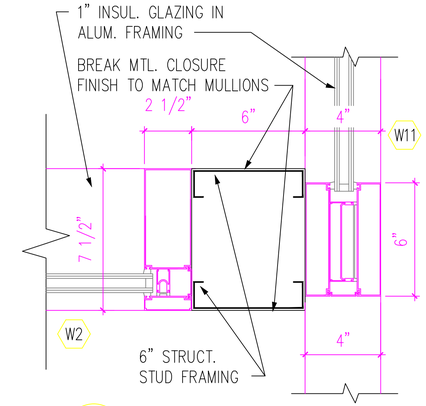
SHAW AIR FORCE BASE
SUMTER, S.C.
DINING FACILITY
WINDOW & LOUVER DETAILS

EFD FOR COMMANDER, NAVFAC
APPROVED DATE

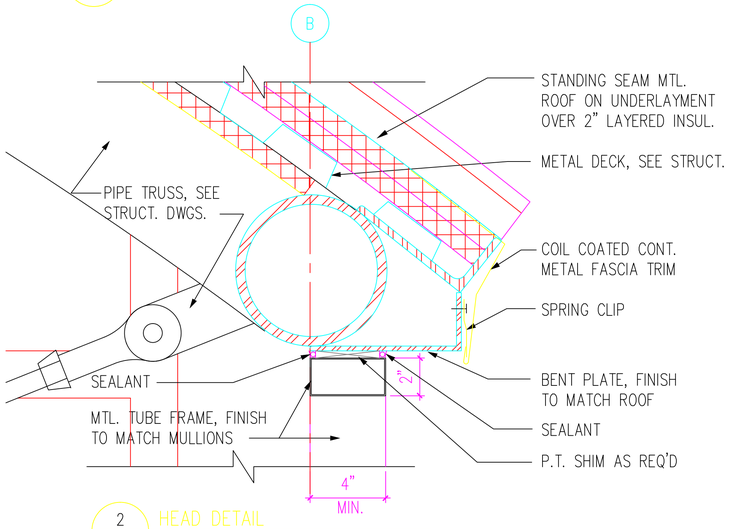
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385593
SHEET 47 OF –

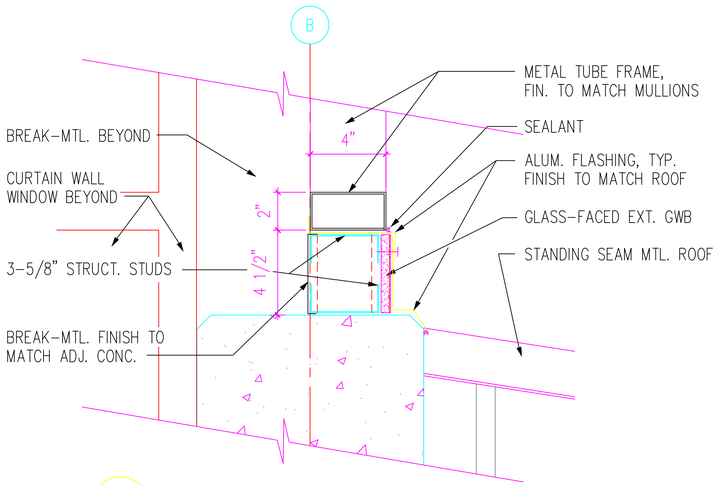
A503



1 / A504 JAMB DETAIL
SCALE: 3" = 1'-0"



2 / A504 HEAD DETAIL
SCALE: 3" = 1'-0"



3 / A504 SILL DETAIL
SCALE: 3" = 1'-0"

0 1" 2" 4" 8" 1'
SCALE: 3" = 1'-0"

KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE DR BEENE CHK CRAFT
SUPV RUTH CH ENGR – DATE
SUBMITTED BY (FIRM MEMBER-TITLE):
TECHNICAL BRANCH
FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

EXTERIOR DETAILS

DATE

APPROVED

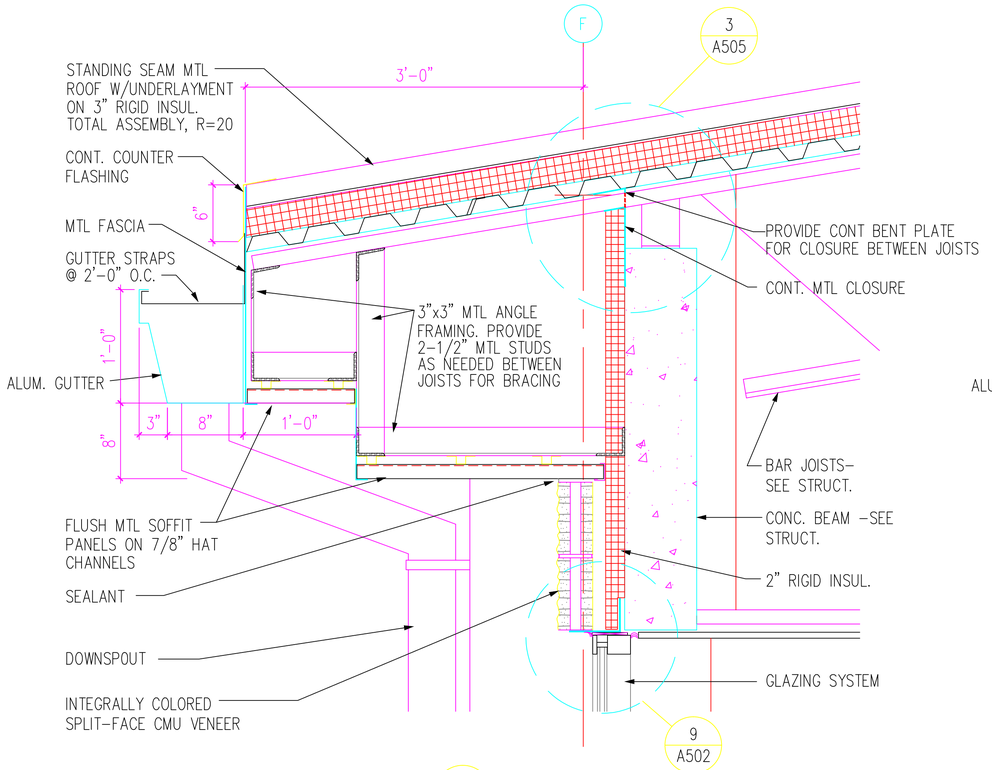
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

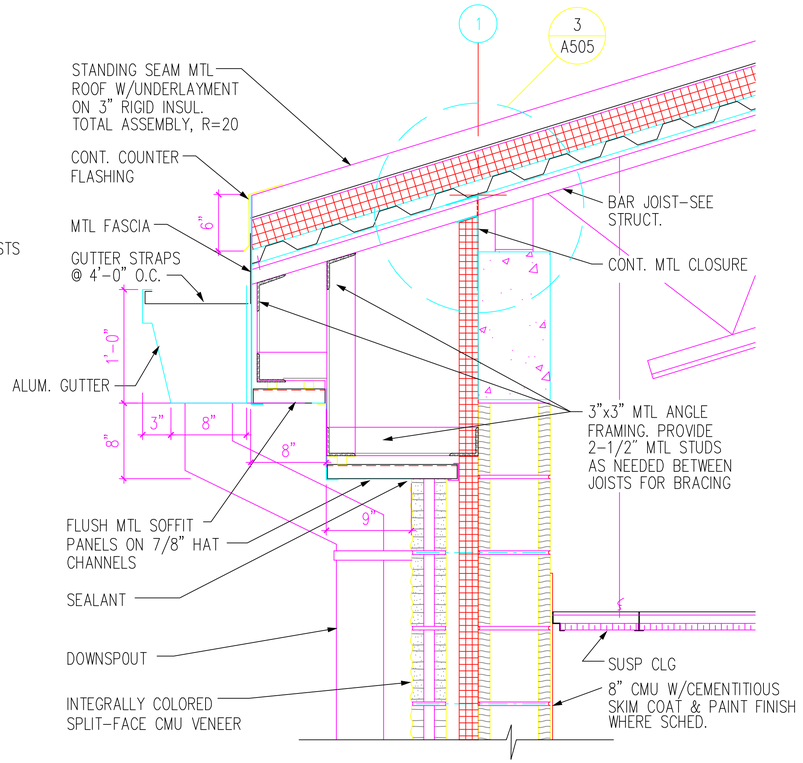
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385594
SHEET 48 OF –

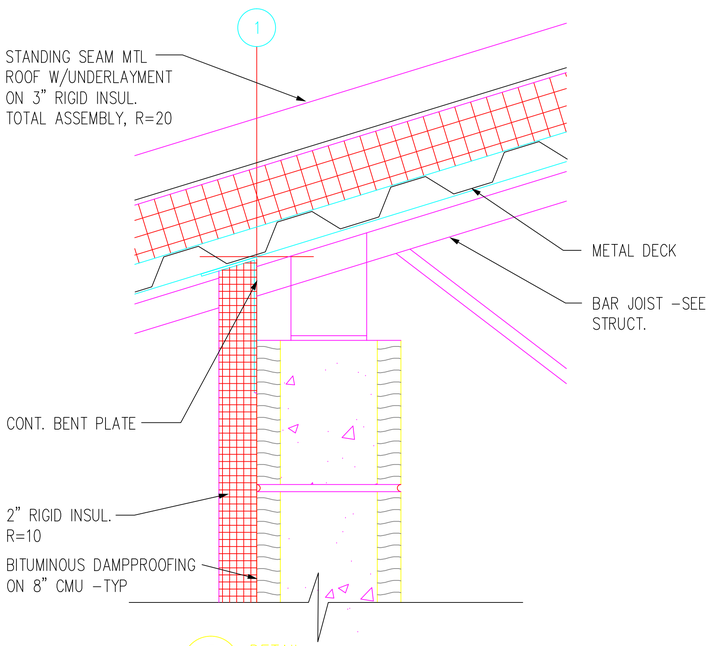
A504



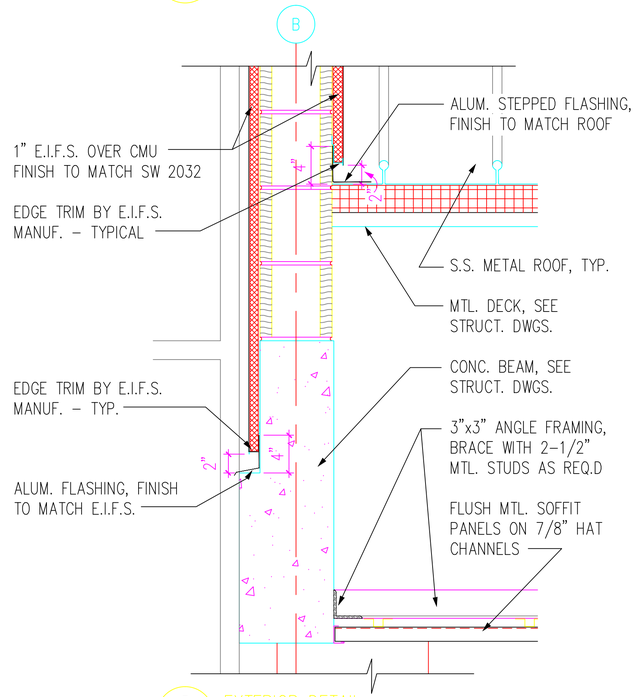
1 A505 EAVE DETAIL
SCALE: 1-1/2" = 1'-0"



2 A505 EAVE DETAIL
SCALE: 1-1/2" = 1'-0"



3 A505 DETAIL
SCALE: 3" = 1'-0"



5 A505 EXTERIOR DETAIL
SCALE: 1-1/2" = 1'-0"

0 3" 6" 1' 2'
SCALE: 1-1/2" = 1'-0"

0 3" 6" 1'
SCALE: 3" = 1'-0"

KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202

DSGN	BEENE	CHK	CRAFT
DRWN	BEENE	CH ENGR	-
SUPV	RUTH	SUBMITTED BY (FIRM MEMBER-TITLE):	DATE
TECHNICAL BRANCH		JIM RITCHIE	
FPE			

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
EXTERIOR DETAILS

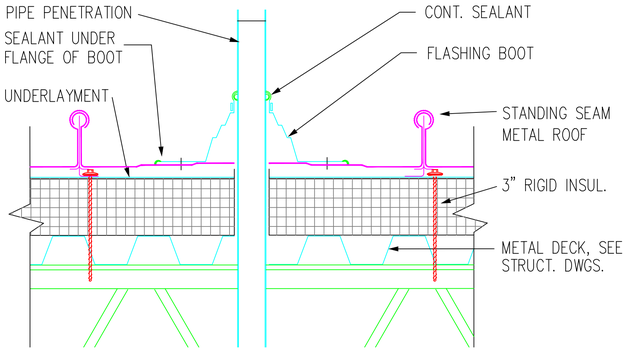
APPROVED		EFD FOR COMMANDER, NAVFAC
DATE		DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

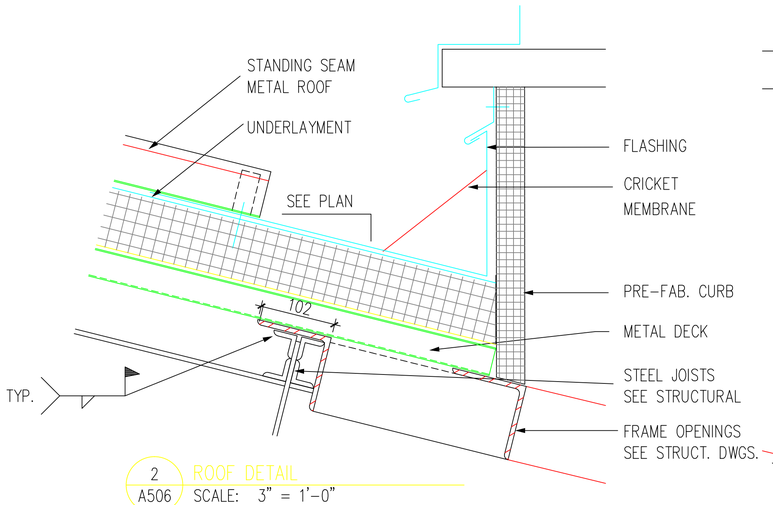
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385595
SHEET 49 OF -

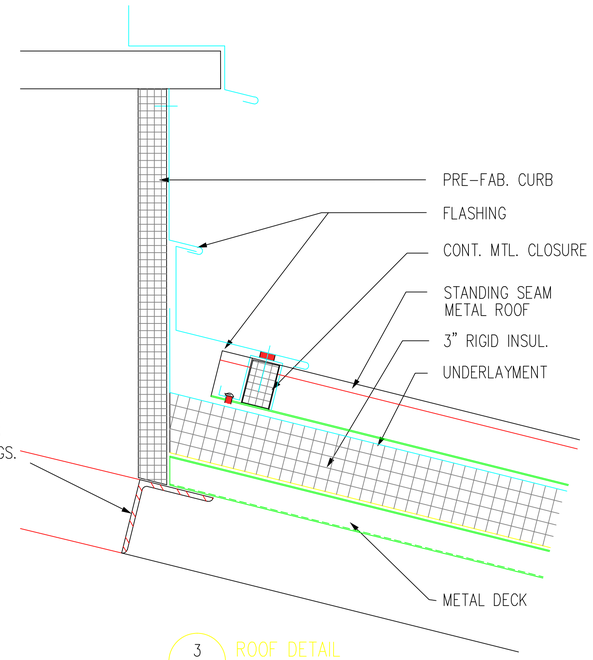
A505



1 A506 ROOF DETAIL
SCALE: 3" = 1'-0"

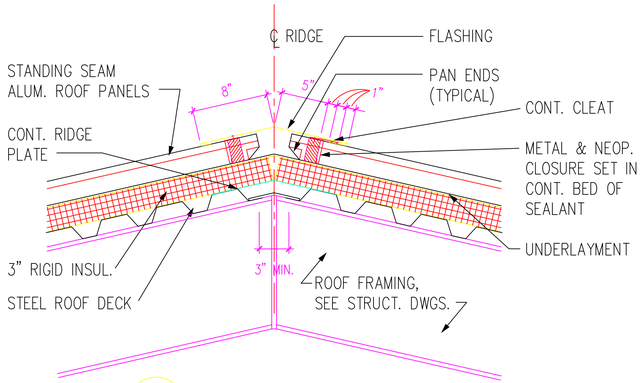


2 A506 ROOF DETAIL
SCALE: 3" = 1'-0"

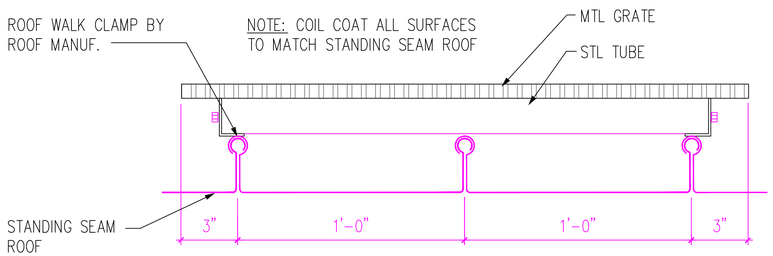


3 A506 ROOF DETAIL
SCALE: 3" = 1'-0"

GENERAL NOTES:
1. PROVIDE METAL FRAMING FOR OPENINGS.
2. SHOP WELD ALL CONNECTIONS (CONT.)
3. COORDINATE ALL PENETRATIONS W/ ROOFING MANUF. INSTRUCTIONS & REQUIREMENTS
4. SEE MECH. DWGS. FOR TYPE OF EQUIP. PENETRATION, FLASH MECH. CURBS AS PER ROOFING MANUF. REQUIR.



4 A506 ROOF DETAIL
SCALE: 1-1/2" = 1'-0"



5 A506 DETAIL @ ROOF WALK
SCALE: 3" = 1'-0"

0 3" 6" 1'
SCALE: 3" = 1'-0"

0 3" 6" 1' 2'
SCALE: 1-1/2" = 1'-0"

KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202
DSGN BEENE DR BEENE CHK CRAFT
SUPV RUTH CH ENGR –
SUBMITTED BY (FROM MEMBER-TITLE): DATE
TECHNICAL BRANCH
FPE JIM RITCHIE

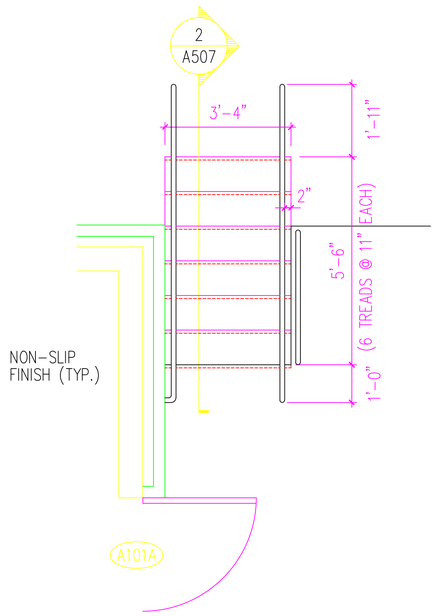
DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
EXTERIOR DETAILS
EFD FOR COMMANDER, NAVFAC DATE
APPROVED

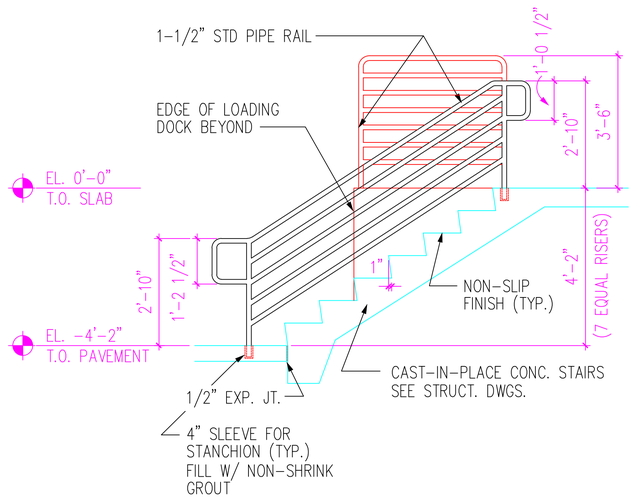
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385596
SHEET 50 OF –
A506



NORTH

1 A507 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



2 A507 SECTION
SCALE: 1/2" = 1'-0"

0 1' 2' 4' 6'
SCALE: 1/2" = 1'-0"

KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202

DSGN BEENE DR DUNAVANT CHK CRAFT
SUPV RUTH CH ENGR _
SUBMITTED BY (FROM MEMBER-TITLE): DATE
TECHNICAL BRANCH
FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE
SUMTER, S.C.
DINING FACILITY
EXTERIOR DETAILS

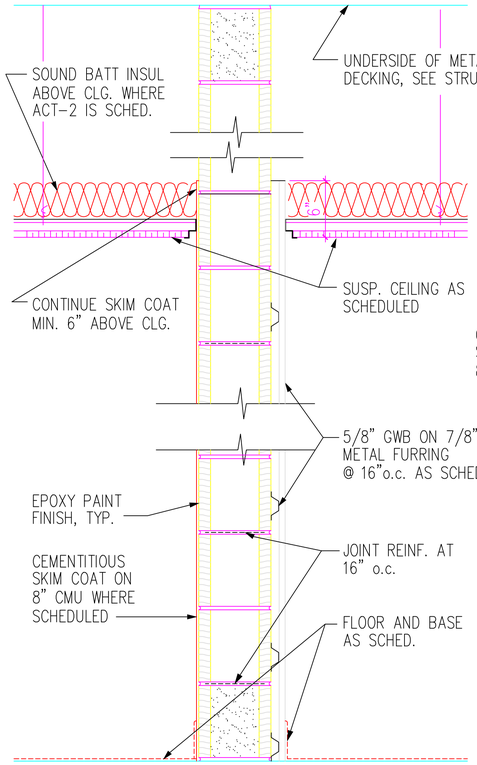
APPROVED
DATE
EFD FOR COMMANDER, NAVFAC
DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

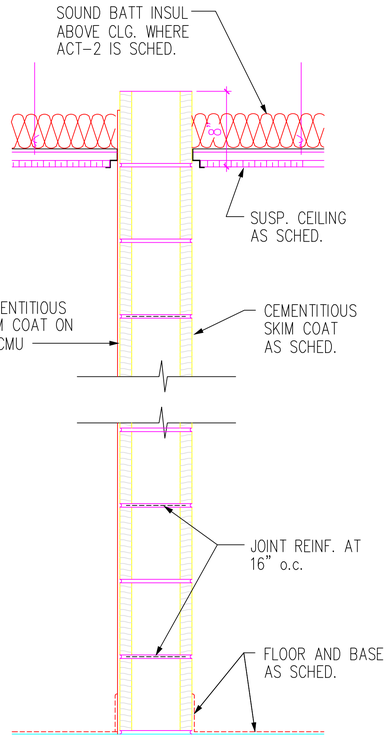
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385597
SHEET 51 OF -

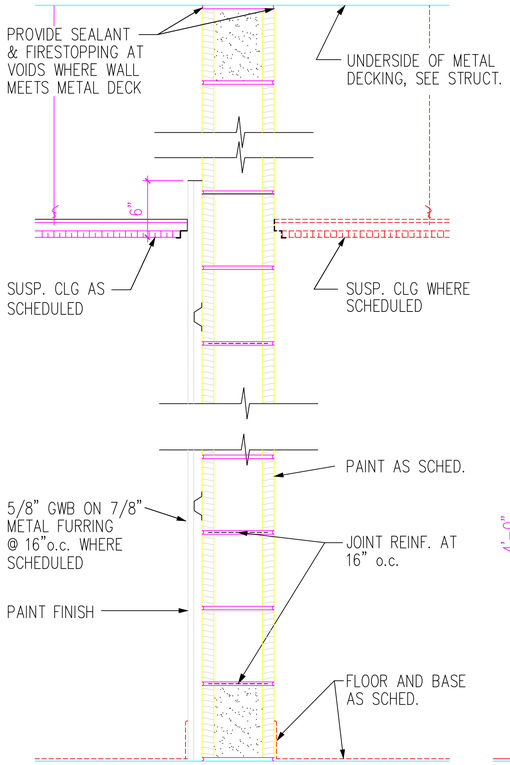
A507



1 8" CMU – NON RATED WALL
SCALE: 1-1/2" = 1'-0"

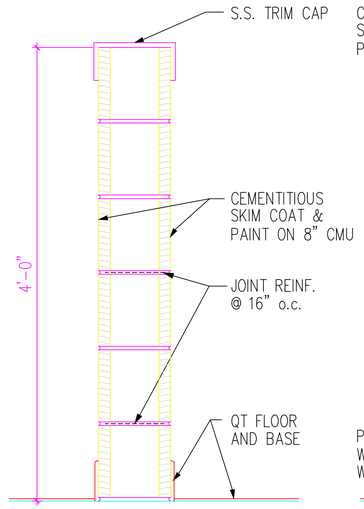


2 8" CMU – NON RATED WALL
SCALE: 1-1/2" = 1'-0"

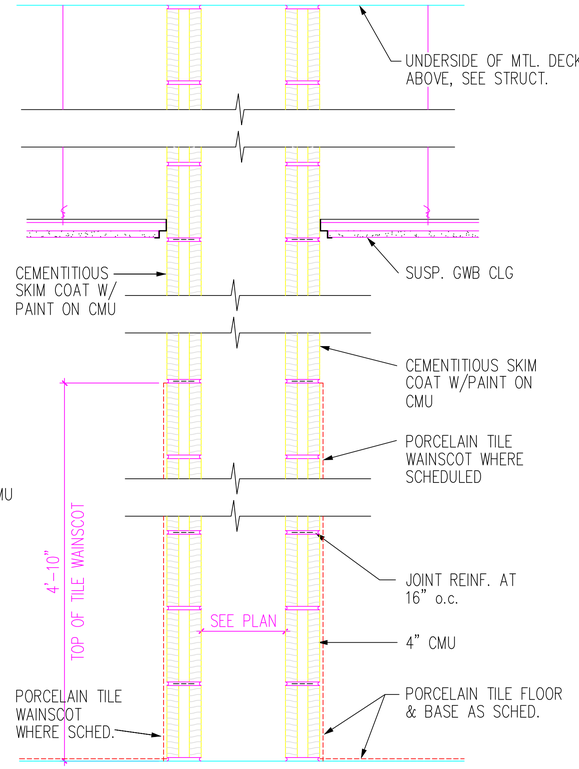


U.L. #U905

3 8" CMU – 1-HR RATED WALL
SCALE: 1-1/2" = 1'-0"



4 8" CMU HALF-WALL
SCALE: 1-1/2" = 1'-0"



5 4" CMU – NON RATED WALL
SCALE: 1-1/2" = 1'-0"

0 2" 4" 8" 16" 2'
SCALE: 1 1/2" = 1'-0"

KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202
DSGN – DR – CHK – CH ENGR –
SUPV – SUBMITTED BY (FROM MEMBER-TITLE):
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

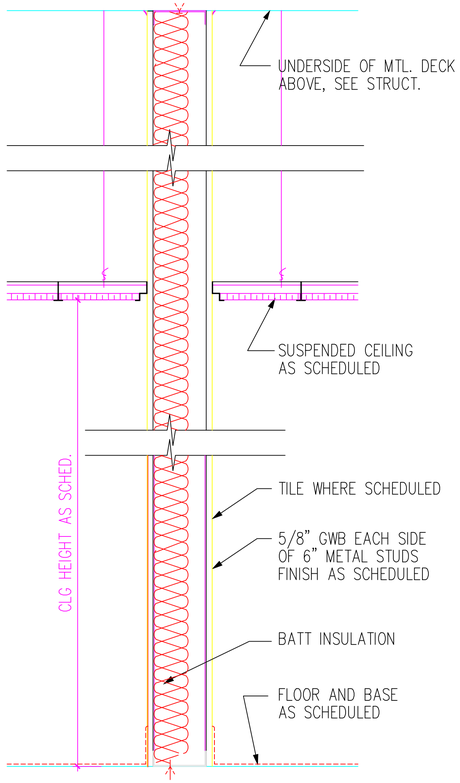
Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
INTERIOR PARTITION TYPES
ED FOR COMMANDER, NAVFAC
DATE
APPROVED

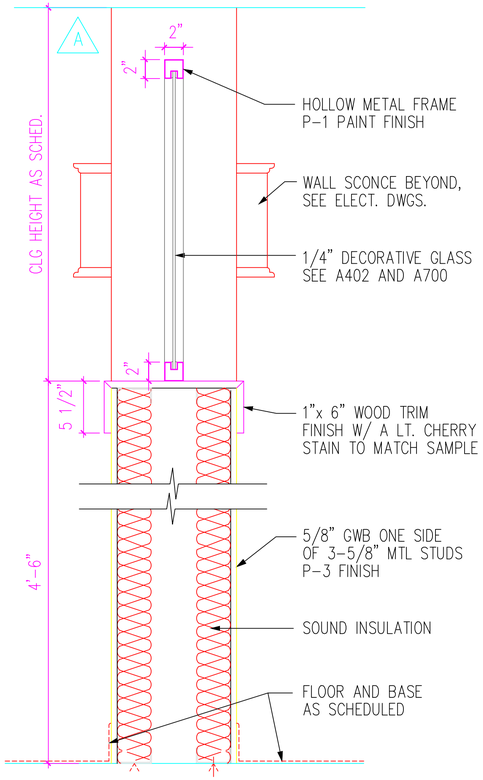
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06–
CONSTRN. CONTR. NO. N62467–
NAVFAC DRAWING NO. 5385599
SHEET 53 OF –

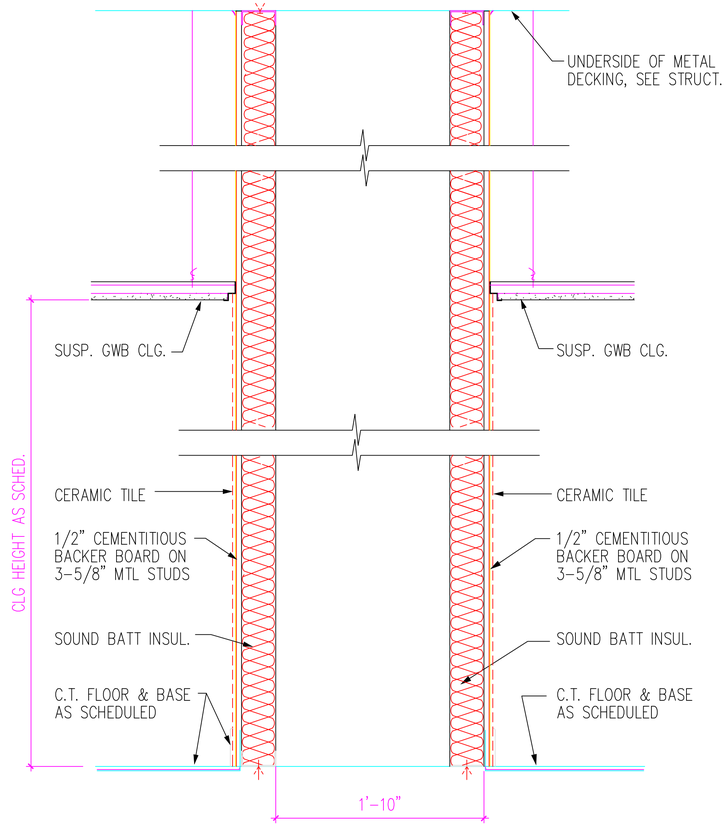
A600



6 NON RATED METAL STUD WALL
SCALE: 1-1/2" = 1'-0"



7 NON RATED METAL STUD WALL
SCALE: 1-1/2" = 1'-0"



8 NON-RATED STUD WALL
SCALE: 1-1/2" = 1'-0"

A 9 CMU PARTIAL WALL
SCALE: 1-1/2" = 1'-0"

0 2" 4" 8" 16" 2'
SCALE: 1 1/2" = 1'-0"

KBJ Architects, Inc. AA000001
510 North Julia Street
Jacksonville, Florida 32202
DSGN – DR – CHK – CH ENGR –
SUPV – SUBMITTED BY (FROM MEMBER-TITLE): DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

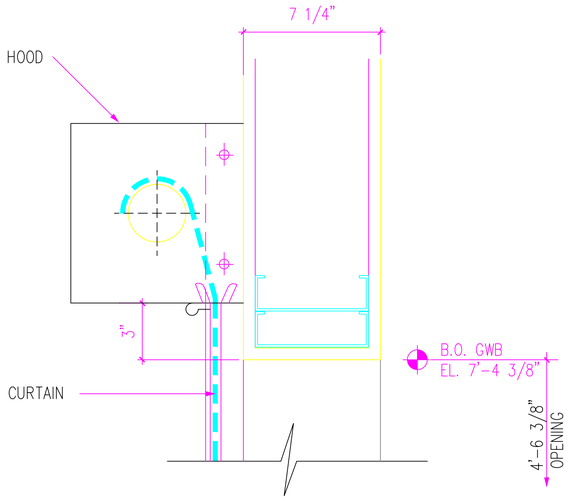
Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/16/03	

SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
INTERIOR PARTITION TYPES
APPROVED DATE
EFD FOR COMMANDER, NAVFAC

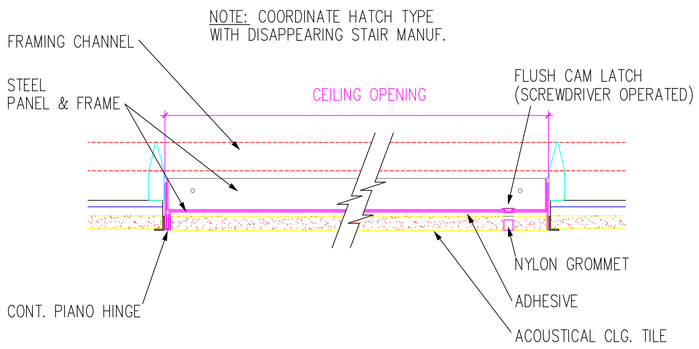
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06–
CONSTRN. CONTR. NO. N62467–
NAVFAC DRAWING NO. 53855600
SHEET 54 OF –

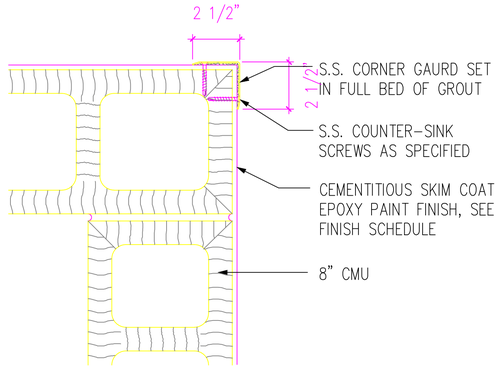
A601



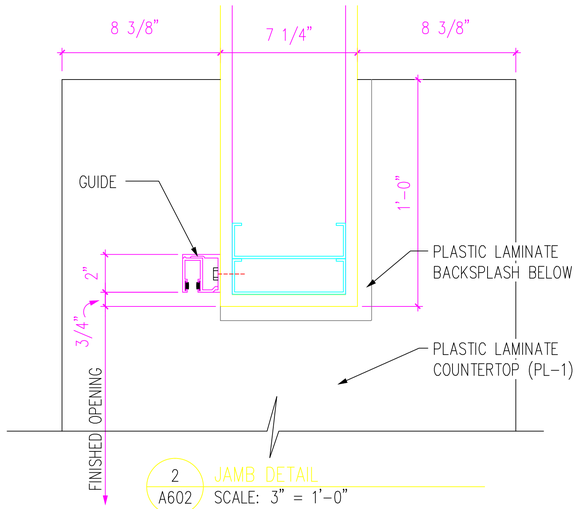
1 A602 HEAD DETAIL
SCALE: 3" = 1'-0"



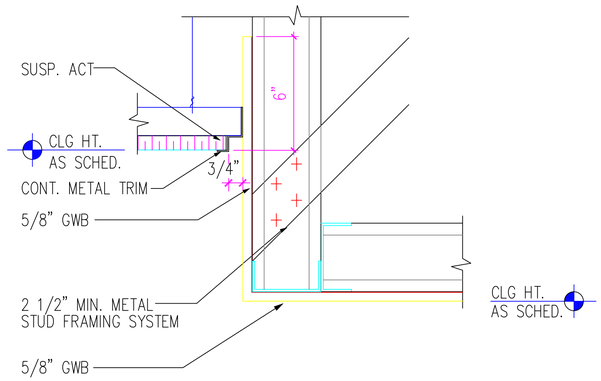
4 A602 CEILING ACCESS DOOR DETAIL
SCALE: 3" = 1'-0"



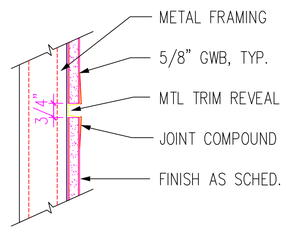
7 A602 CORNER GAURD DETAIL
SCALE: 3" = 1'-0"



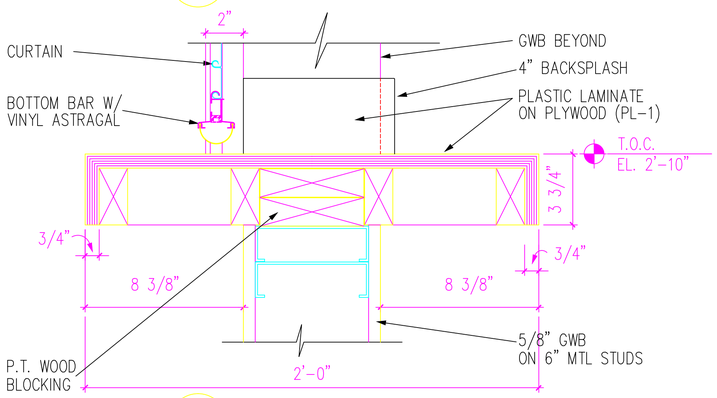
2 A602 JAMB DETAIL
SCALE: 3" = 1'-0"



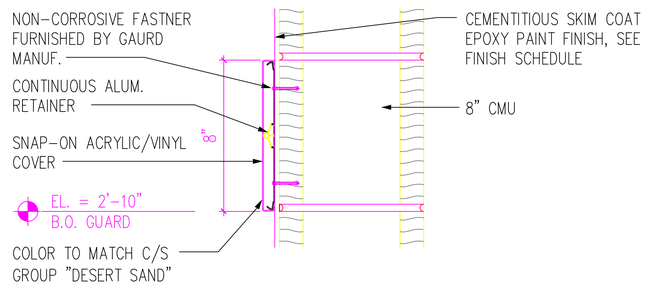
5 A602 CEILING DETAIL
SCALE: 3" = 1'-0"



8 A602 GWB REVEAL DETAIL
SCALE: 3" = 1'-0"



3 A602 SILL DETAIL
SCALE: 3" = 1'-0"



6 A602 WALL GAURD DETAIL
SCALE: 3" = 1'-0"

0 1" 2" 4" 8" 1'
SCALE: 3" = 1'-0"

KBJ Architects, Inc. AA0000001
510 North Julia Street
Jacksonville, Florida 32202
DSGN BEENE DR DUNAVANT CHK CRAFT
SUPV RUTH CH ENGR – DATE
SUBMITTED BY (FIRM MEMBER-TITLE):
TECHNICAL BRANCH FPE JIM RITCHIE

DRAWING REVISIONS
Rev. | Description | Prep By | Date | Apprvd.
ASBUILT

SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
INTERIOR DETAILS
EFD FOR COMMANDER, NAVFAC
DATE
APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385601
SHEET 55 OF –

A602

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	GWB	GYPSUM WALL BOARD
CMU	CONCRETE MASONRY UNIT	P	PAINT
CONC	CONCRETE	PL	PLASTIC LAMINATE
CPT	CARPET	PT	PORCELAIN TILE
EXP	EXPOSED TO STRUCTURE	QT	QUARRY TILE
G	GROUT	VB	VINYL BASE
GL	DECORATIVE GLASS	VCT	VINYL COMPOSITION TILE

FINISH KEY

ACOUSTICAL CEILING TILE

ACT-1 – USG, 808 "SANDRIFT" 2'x2' PANELS
SUSPENSION SYSTEM: "CENTRICITEE"
ACT-2 – USG, 56060 "CLEAN ROOM CLIMAPLUS" 2'x2' PANELS
SUSPENSION SYSTEM: "DX"
ACT-3 – USG, 412 "FROST" 2'x2' PANELS
SUSPENSION SYSTEM: "DX"

PORCELAIN TILE

PT-1 – CAESAR, LE GROTTE – "POSTUMIA" (12"x12")
PT-2 – CAESAR, LE GROTTE – "CASTRO" (12"x12")
PT-3 – CROSSVILLE PORCELAIN STONE, A233 (UPS) "SAND BISQUE" 12"x12" & 3"x3" (SHOWERS ONLY)
PT-4 – CROSSVILLE PORCELAIN STONE, A215 (PO) "EMPRESS WHITE" (6"x6")
PT-5 – CROSSVILLE CERAMIC STONE, A876 (PO) "TRUFFLE" (6"x6")
A ALL PORCELAIN FLOOR AND WALL TILE SHALL BE SET WITH PORTLAND CEMENT MORTAR AND GROUT, SEE AMENDMENT #3.

CARPET

CPT – COLLINS & AIKMAN, MONK'S CLOTH CARPET TILE– 94801 "CRACKLE"

QUARRY TILE

QT – METROPOLITAN CERAMICS, QUARRY BASICS, 505 "PLAZA GRAY" (8"x8")
A ALL QUARRY TILE SHALL BE SET WITH EPOXY MORTAR AND GROUT, SEE SPECIFICATIONS. (AMENDMENT #3)

GROUT

G-1 – DALTILE #386 "OYSTER GRAY" (FOR USE WITH WALL TILE)
G-2 – DALTILE #335 "WINTER GRAY" (USE WITH PT-3)
G-3 – DALTILE #185 "NEW TAUPE" (USE WITH PT-1, PT-2, AND QT)

PAINT

P-1 – ICI #1133 "NEW ENGLAND GREEN" (INTERIOR DOORS AND FRAMES)
P-2 – ICI #489 "UNICORN WHITE" (TYPICAL WALL FINISH)
P-3 – ICI #468 "CASTLE ROCK" (DINING AREA ACCENT)
P-4 – ICI #1155 "SUMMER PORCH" (ACCENT WALL COLOR)

DECORATIVE GLASS

GL-1 – RUDY ART CLASS STUDIO #05067
GL-2 – RUDY ART CLASS STUDIO #T05013

PLASTIC LAMINATE

PL-1 – FORMICA, 7709-58 "JUTE GUAZE" (TABLE TOPS)
PL-2 – FORMICA, 7347-58 "PASTEL CRAYON" (TOILET PARTITIONS & COUNTERS)
PL-3 – PIONITE, AW812 "WHITE TUNDRA" (SERVING COUNTER MILLWORK)
PL-4 – PIONITE, SG211 "IGNOT GRAY" (SERVING COUNTER TOE-KICK)

SOLID SURFACE

SABLESTONE, "EURO GREY" (TOILET ROOM COUNTERS)

FABRIC

LIZ JORDAN-HILL/ ARCHITEX INTERNATIONAL, NORWEGIAN WOODS "PINE"

VINYL

NAUGAHYDE, NEOCHROME II, NEO 5 "AQUA DARK"

VINYL BASE

VB – JOHNSONITE WALL BASE, 63 – "BURNT UMBER"

VINYL COMPOSITION TILE

VCT – MANNINGTON COMMERCIAL, 125 "SILVER PINE"

NOTE: MANUFACTURERS ARE LISTED FOR REFERENCE, AND BIDDING PURPOSES ONLY. MATERIALS ARE SELECTED FOR COLOR, TEXTURE, AND PERFORMANCE. EQUAL AND COMPARABLE ITEMS WILL BE CONSIDERED.

FINISH SCHEDULE

SPACE				WALLS								CEILING		
				NORTH		EAST		SOUTH		WEST				
MARK	DESIGNATION	FLOOR	BASE	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MATERIAL	HEIGHT	REMARKS
A100	VESTIBULE	PT-1/PT-2	PT-1	GLAZING	P-1	GWB	P-2	GLAZING	P-1	GWB	P-2	GWB	10'-0"	NOTE 6
A101	LOBBY	PT-1/PT-2	PT-1	GLAZING	P-1	GWB	P-2	GWB	P-2	GWB	P-2	EXP/EFIS	–	
A102	CORRIDOR	PT-1	PT-1	GWB	P-2	GWB	P-2	GWB	P-2	GWB	P-2	GWB	10'-0"	NOTE 6
A103	JANITOR	SEALED CONC.	VB	GWB	P-4	GWB	P-4	GWB	P-4	GWB	P-4	GWB	9'-0"	
A104	MEN'S VESTIBULE	PT-3	PT-3	GWB/CMU	PT-4/P-4	GWB	PT-4/P-4	GWB	PT-4/P-4	GWB	PT-4/P-4	GWB	9'-0"	NOTE 4 & 6
A105	MEN'S TOILET	PT-3	PT-3	GWB/CMU	PT-4/P-4	GWB	PT-4/P-4	GWB	PT-4/P-4	GWB/CMU	PT-4/P-4	GWB	9'-0"	NOTE 4 & 6
A106	WOMEN'S VESTIBULE	PT-3	PT-3	GWB	PT-4/P-4	GWB	PT-4/P-4	GWB/CMU	PT-4/P-4	GWB	PT-4/P-4	GWB	9'-0"	NOTE 4 & 6
A107	WOMEN'S TOILET	PT-3	PT-3	GWB	PT-4/P-4	GWB	PT-4/P-4	GWB/CMU	PT-4/P-4	GWB/CMU	PT-4/P-4	GWB	9'-0"	NOTE 4 & 6
A108	MECHANICAL ROOM #1	SEALED CONC.	–	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	EXP	–	
A109	MEN'S LOCKER	PT-3	PT-3	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	GWB	9'-0"	NOTE 6
A110	MEN'S TOILET	PT-3	PT-3	CMU	PT-4/P-4	CMU	PT-4/P-4	CMU	PT-4/P-4	CMU	PT-4/P-4	GWB	9'-0"	NOTE 6
A111	JANITOR	SEALED CONC.	VB	CMU	P-4	CMU	P-4	CMU	P-4	CMU	P-4	GWB	8'-0"	NOTE 6
A112	WOMEN'S TOILET	PT-3	PT-3	CMU	PT-4/P-4	CMU	PT-4/P-4	CMU	PT-4/P-4	CMU	PT-4/P-4	GWB	9'-0"	NOTE 6
A113	WOMEN'S LOCKER	PT-3	PT-3	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	GWB	9'-0"	NOTE 6
A114	CORRIDOR	QT	QT	CMU	P-4	CMU	P-4	–	–	CMU	P-4	ACT-2	10'-0"	NOTES 3 & 4
A115	ELECTRICAL ROOM	SEALED CONC.	–	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	EXP	–	
A116	VESTIBULE	QT	QT	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	GWB	9'-0"	NOTE 4 & 6
A117	COMMUNICATIONS ROOM	SEALED CONC.	–	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	EXP	–	
A117A	SERVER CLOSET	VCT	VB	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	GWB	9'-0"	NOTE 6
A118	CARB. ROOM	VCT	VB	GWB	P-2	GWB	P-2	GWB	P-2	GWB	P-4	ACT-3	9'-0"	NOTE 2
A119	OFFICE	VCT	VB	GWB	P-2	GWB	P-2	GWB	P-2	GWB	P-4	ACT-3	9'-0"	NOTE 2
A120	TRAINING	VCT	VB	GWB	P-2	GWB	P-2	GWB	P-2	GWB	P-4	ACT-3	9'-0"	NOTE 2
A121	KITCHEN	QT	QT	CMU	P-4	CMU	P-4	CMU	P-4	CMU	P-4	ACT-2	10'-0"	NOTES 3, 4, & 5
A122	RECEIVING	SEALED CONC.	VB	CMU	P-2	CMU	P-4	CMU	P-4	CMU	P-2	ACT-2	10'-0"	NOTE 3
A123	DRY STORAGE	SEALED CONC.	VB	CMU	P-2	CMU	P-4	CMU	P-4	CMU	P-2	ACT-2	10'-0"	NOTE 3
A124	OFFICE	VCT	VB	GWB	P-2	GWB	P-2	GWB	P-4	GWB	P-2	ACT-3	9'-0"	NOTE 2
A125	STORAGE	VCT	VB	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	ACT-3	10'-0"	NOTE 2
A126	PAN STORAGE	QT	QT	CMU	P-4	CMU	P-4	CMU	P-4	CMU	P-4	ACT-2	10'-0"	NOTES 3 & 4
A127	LINEN	VCT	VB	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	ACT-3	9'-0"	NOTES 2 & 4
A128	POT WASH	QT	QT	CMU	P-4	CMU	P-4	CMU	P-4	CMU	P-4	ACT-2	10'-0"	NOTES 3, 4, & 5
A129	DISH WASH	QT	QT	CMU	P-4	CMU	P-4	CMU	P-4	CMU	P-4	ACT-2	10'-0"	NOTES 3 & 4
A130	CORRIDOR	QT	QT	CMU	P-4	CMU	P-4	CMU	P-4	CMU	P-4	ACT-2	10'-0"	NOTES 3, 4, & 5
A131	COOK'S REFRIGERATOR	SEALED CONC.	–	CMU	P-4	CMU	–	–	P-4	–	–	EXP	9'-0"	
A132	HOT LINE SERVING AREA	QT	QT	–	–	–	–	CMU	P-2	CMU	P-2	GWB/ACT-2	10'-0"/10'-6"	NOTES 1, 3, 4 & 6
A133	SELF-SERVE	PT-1/PT-2	PT-1	–	–	GWB	P-2	CMU	P-2	–	–	GWB/ACT-1	10'-0"/10'-6"	NOTES 1, 2, 4 & 6
A134	GRILLE	QT	QT	CMU	P-2	CMU	P-2	–	–	CMU	P-2	GWB/ACT-2	10'-0"/10'-6"	NOTES 1, 3, 4 & 6
A135	DINING AREA A	CPT	VB	GWB	P-3	GWB	P-2	GWB	P-2	CMU/GWB	P-2	ACT-1/GWB	11'-0"/10'-0"	NOTES 1, 2, 4 & 6
A136	DINING AREA B	CPT	VB	GWB	P-3	GWB	P-2	GWB	P-3	GWB	P-3	ACT-1/GWB	11'-0"/10'-0"	NOTES 1, 2 & 6
A137	DINING AREA C	CPT	VB	GWB	P-3	GWB	P-2	GWB	P-3	CMU/GWB	P-2/P-3	ACT-1/GWB	11'-0"/10'-0"	NOTES 1, 2, 4 & 6
A138	POSTAL SORTING/STORAGE	VCT	VB	GWB	P-2	GWB	P-2	CMU	P-2	CMU	P-2	ACT-3	10'-0"	NOTE 2
A139	POSTAL LOBBY	VCT	VB	GWB	P-2	GWB	P-2	GWB	P-4	GWB	P-2	ACT-3	10'-0"	NOTE 2
A140	OFFICE	VCT	VB	GWB	P-4	GWB	P-4	GWB	P-2	GWB	P-2	ACT-3	9'-0"	NOTE 2
A141	MECHANICAL ROOM #2	SEALED CONC.	–	CMU	P-2	CMU	P-2	CMU	P-2	CMU	P-2	EXP	–	

NOTES:
1. CEILING HEIGHT VARIES , SEE PLAN.
2. USE CEILING SUSPENSION SYSTEM: USG "CENTRICITEE" WITH ACT-1 AND ACT-3.
3. USE CEILING SUSPENSION SYSTEM: USG "AX" WITH ACT-2.
4. APPLY A CEMENTITIOUS PURGE COAT OVER CMU WALLS, EPOXY PAINT FINISH.
5. MOUNT STAINLESS STEEL WALL GUARD ALONG ALL WALLS WHEREVER FIXED EQUIP. IS NOT PRESENT.
6. ALL GWB CEILINGS AND SOFFITS SHALL RECIEVE "CEILING WHITE" PAINT FINISH.

KBJ Architects, Inc. AA000001
510 North Lake Street
Aspen, Colorado 81611 970.925.3220
DRAWN BY: CMART
CHECKED BY: JR BEDNE
APPROVED BY: BEDNE
SUBMITTED BY: RUTH
PROJECT MANAGER: JIM RYDNE

DRAWING REVISIONS

Rev.	Description	Date	Approved
A	ADDENDUM	10/16/06	RBJ

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
FINISH SCHEDULE
APPROVED
DATE
BY: FOR CHARLESTON, AVERY

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONTRACT NUMBER NO.
N62467-00-C-0397
NAVFAC DRAWING NO.
5385602
SHEET 56 OF –

A700

NOTES:
1. SEE FINISH SCHED. FOR COMPLETE LIST OF FINISHES AND LOCATIONS
2. SET TOP OF FL. DRAIN AT -1" A.F.F. ALSO SEE PLUMB. AND FOUND. DWGS.
3. SET TOP OF FL. DRAIN AT -1.25" A.F.F. ALSO SEE PLUMB. AND FOUND. DWGS.
4. SET TOP OF FL. DRAIN AT -1.5" A.F.F. ALSO SEE PLUMB. AND FOUND. DWGS.
5. SLOPE ALL FLOORS TO DRAINS AS INDICATED TO RECIEVE THIN SET TILE AS SCHEDULED.
6. COORDINATE TILE EXPANSION JOINTS WITH CONCRETE CONTROL JOINTS, TYP.
7. ALL INTERIOR COLUMNS SHALL HAVE PT-1 TILE BASE WHERE EXPOSED.

CONC. PAVERS - SEE CIVIL DWGS. COLOR SHALL MATCH METROMONT "DESERT TAN" PATTERN AS SHOWN

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

KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Appvd.
A	ASBUILT	RB	1/19/07	

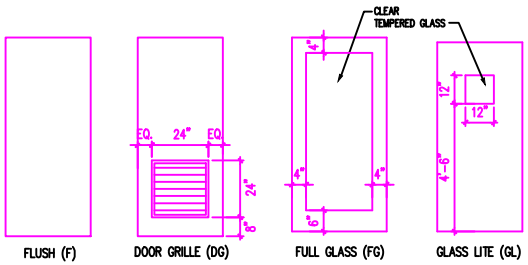
DSGN BEENE DR BEENE CHK RUTH
SUBMITTED BY (PRIME MEMBER-TITLE): RUTH CHK'R -
TECHNICAL BRANCH DATE
FPE JIM RITCHIE

SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
FLOOR FINISH & FURNITURE PLAN
EFD FOR COMMANDER, NAVFAC
APPROVED DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

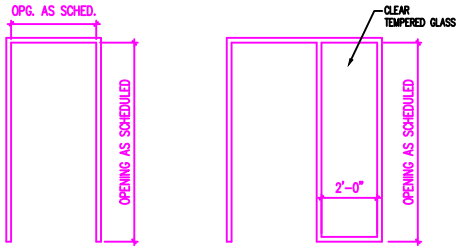
RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385603
SHEET 57 OF -
A701

DOOR TYPES



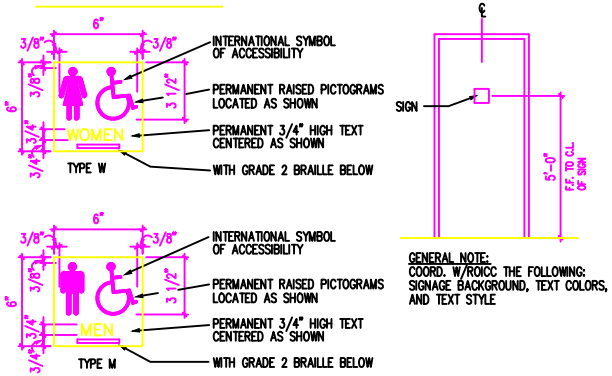
FLUSH (F) DOOR GRILLE (DG) FULL GLASS (FG) GLASS LITE (GL)

FRAME TYPES



TYPE 1 TYPE 2

SIGNAGE TYPES



GENERAL NOTE:
COORD. W/ROICC THE FOLLOWING: SIGNAGE BACKGROUND, TEXT COLORS, AND TEXT STYLE

DOOR SCHEDULE

DOOR OPENING			DOOR				FRAME					HARD-WARE GROUP	REMARKS	LABEL
MARK	WIDTH	HEIGHT	THK.	TYPE	MATERIAL	# OF LEAVES	TYPE	MATERIAL	HEAD	JAMB	SILL			
A100	6'-0"	7'-2"	1-3/4"	FG	ALUM/GL	2	1	ALUM	1/A502	2/A502	3/A502	1	POWER ASSIST ENTRY	–
A101	6'-0"	7'-2"	1-3/4"	FG	ALUM/GL	2	1	ALUM	1/A502	2/A502	3/A502	101	POWER ASSIST ENTRY	–
A103	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	10/A703	11/A703	3/A703	103	–	–
A104	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	10/A703	11/A703	3/A703	102	SIGNAGE TYPE M	–
A105	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	10/A703	11/A703	6/A703	102	–	–
A106	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	10/A703	11/A703	3/A703	102	SIGNAGE TYPE W	–
A107	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	10/A703	11/A703	6/A703	102	–	–
A108	8'-0"	7'-2"	1-3/4"	F	MTL	2	1	HM	1/A703	2/A703		4	–	–
A109	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	7/A703	8/A703	3/A703	103	SIGNAGE TYPE M	–
A111	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	7/A703	8/A703	3/A703	102	–	–
A113	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	7/A703	8/A703	3/A703	102	SIGNAGE TYPE W	–
A115	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	1/A703	2/A703		5	–	–
A116	3'-0"	7'-2"	1-3/4"	FG	MTL	1	2	HM	1/A703	2/A703		6	–	–
A116A	3'-0"	7'-2"	1-3/4"	FG	MTL	1	2	HM	7/A703	8/A703	6/A703	107	–	–
A117	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	1/A703	2/A703		5	–	–
A117A	3'-0"	7'-2"	1-3/4"	DG	MTL	1	1	HM	7/A703	8/A703	3/A703	103	–	–
A118	3'-0"	7'-2"	1-3/4"	FG	MTL	1	1	HM	4/A703	5/A703	3/A703	104	–	–
A119	3'-0"	7'-2"	1-3/4"	FG	MTL	1	1	HM	4/A703	5/A703	3/A703	104	–	–
A120	3'-0"	7'-2"	1-3/4"	FG	MTL	1	1	HM	4/A703	5/A703	3/A703	104	–	–
A121	5'-0"	7'-2"	1-3/4"	GL	MTL	2	1	HM	7/A703	8/A703	6/A703	106	–	–
A121A	5'-0"	7'-2"	1-3/4"	GL	MTL	2	1	HM	7/A703	8/A703	6/A703	106	–	–
A121B	6'-0"	7'-10"	1-3/4"	GL	MTL	2	1	HM	1/A703	2/A703		7	–	–
A122	6'-0"	7'-10"	1-3/4"	GL	MTL	2	1	HM	1/A703	2/A703		7	–	–
A123	6'-0"	7'-10"	1-3/4"	GL	MTL	2	1	HM	7/A703	8/A703	6/A703	108	–	–
A123A	3'-0"	7'-2"	1-3/4"	GL	MTL	1	1	HM	7/A703	8/A703	3/A703	105	–	–
A124	3'-0"	7'-2"	1-3/4"	FG	MTL	1	1	HM	4/A703	5/A703	6/A703	104	–	–
A125	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	7/A703	8/A703	3/A703	103	–	–
A127	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	4/A703	5/A703	3/A703	104	–	–
A130	5'-0"	7'-2"	1-3/4"	GL	MTL	2	1	HM	4/A703	5/A703	3/A703	106	–	–
A132	5'-0"	7'-2"	1-3/4"	GL	MTL	2	1	HM	7/A703	8/A703	3/A703	106	–	–
A132A	5'-0"	7'-2"	1-3/4"	GL	MTL	2	1	HM	7/A703	8/A703	3/A703	106	–	–
A133	3'-0"	7'-2"	1-3/4"	GL	MTL	1	1	HM	7/A703	8/A703	3/A703	105	–	–
A135	6'-0"	7'-2"	1-3/4"	FG	ALUM/GL	2	1	ALUM	4/A502	4/A502	3/A502	2	–	–
A135A	6'-0"	7'-2"	1-3/4"	FG	ALUM/GL	2	1	ALUM	4/A502	4/A502	3/A502	2	–	–
A135B	6'-0"	7'-2"	1-3/4"	FG	ALUM/GL	2	1	ALUM	4/A502	4/A502	3/A502	2	–	–
A135C	3'-3"	7'-2"	1-3/4"	FG	ALUM/GL	1	1	ALUM	1/A502	2/A502	3/A502	3	COORD. WIDTH W/CURTAIN WALL MANUF.	–
A138	6'-0"	7'-2"	1-3/4"	F	MTL	2	1	HM	1/A703	2/A703		4	–	–
A139	6'-0"	7'-2"	1-3/4"	FG	ALUM/GL	2	1	ALUM	4/A502	4/A502	3/A502	1	–	–
A139A	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	10/A703	11/A703	6/A703	105	–	–
A140	3'-0"	7'-2"	1-3/4"	F	MTL	1	1	HM	10/A703	11/A703	6/A703	104	–	–
A141	7'-0"	7'-2"	1-3/4"	F	MTL	2	1	HM	1/A703	2/A703		4	–	–
A142	6'-0"	7'-2"	1-3/4"	F	MTL	2	1	HM	7/A703	8/A703	6/A703	108	–	B

KBJ Architects, Inc. AA000001
510 North Ann Street
Sumter, South Carolina 29150

DRAWING REVISIONS

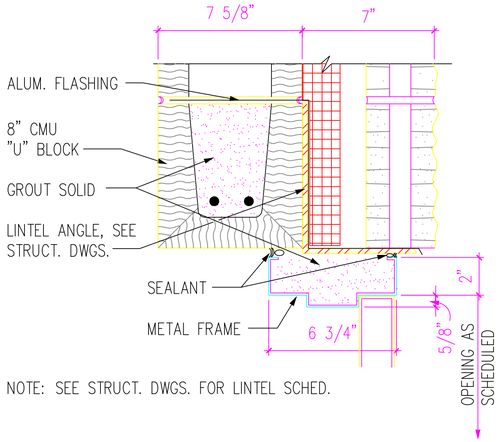
Rev.	Description	Prep. By	Date	Approved
1	ADDENDUM #1			

SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
DOOR SCHEDULE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

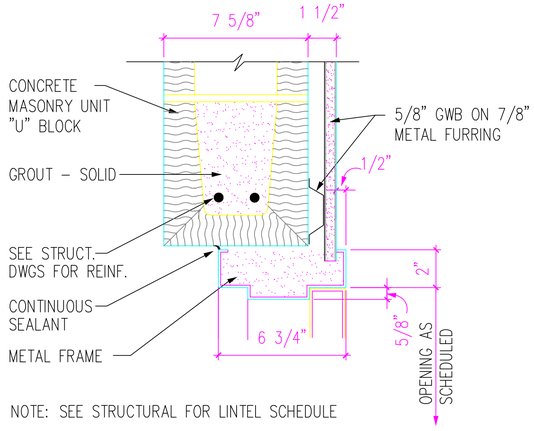
RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONTRACT NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385604
SHEET 56 OF –

A702



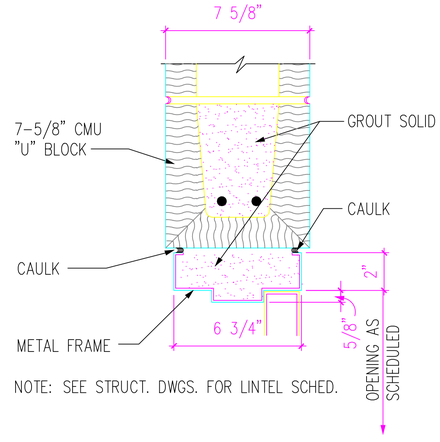
NOTE: SEE STRUCT. DWGS. FOR LINTEL SCHED.

1 / A703 HEAD DETAIL
SCALE: 3" = 1'-0"



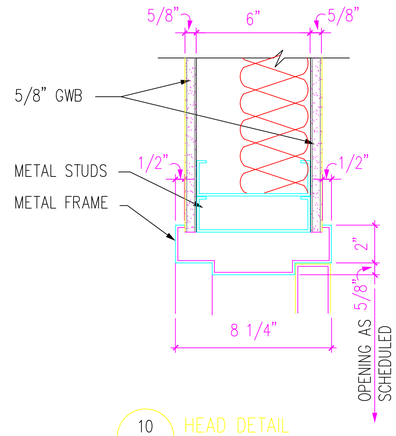
NOTE: SEE STRUCTURAL FOR LINTEL SCHEDULE

4 / A703 HEAD DETAIL
SCALE: 3" = 1'-0"

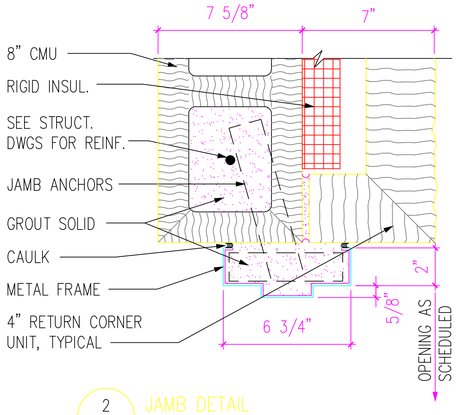


NOTE: SEE STRUCT. DWGS. FOR LINTEL SCHED.

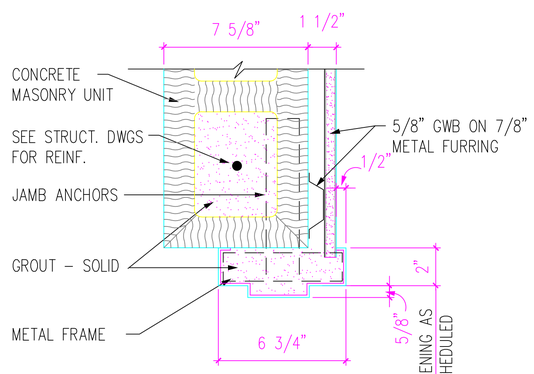
7 / A703 HEAD DETAIL
SCALE: 3" = 1'-0"



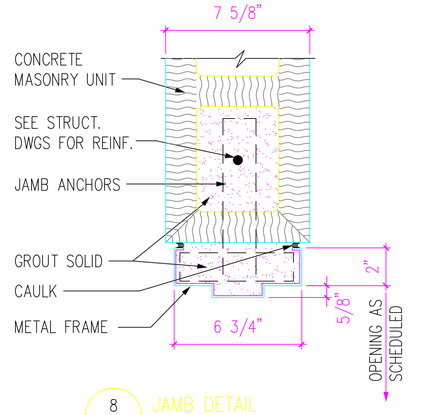
10 / A703 HEAD DETAIL
SCALE: 3" = 1'-0"



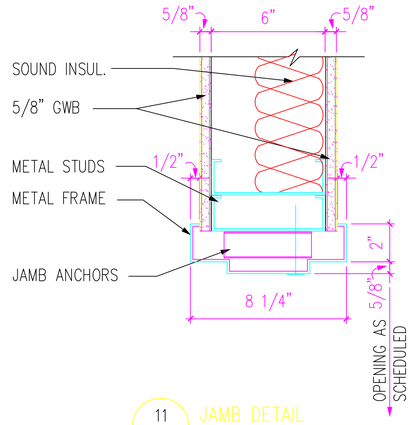
2 / A703 JAMB DETAIL
SCALE: 3" = 1'-0"



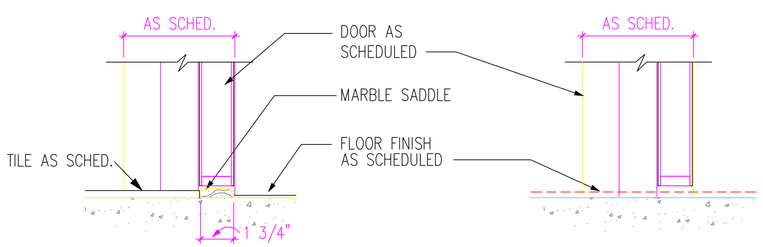
5 / A703 JAMB DETAIL
SCALE: 3" = 1'-0"



8 / A703 JAMB DETAIL
SCALE: 3" = 1'-0"



11 / A703 JAMB DETAIL
SCALE: 3" = 1'-0"



3 / A703 SILL DETAIL
SCALE: 3" = 1'-0"

6 / A703 SILL DETAIL
SCALE: 3" = 1'-0"

0 1" 2" 4" 8" 1'
SCALE: 3" = 1'-0"

KBJ Architects, Inc. AA0000001
510 North Julia Street
Jacksonville, Florida 32202
DSGN BEENE BY BEENE CHK CRAFT
SUPV RUTH CH ENGR –
SUBMITTED BY (FIRM MEMBER-TITLE): DATE
TECHNICAL BRANCH FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
DOOR DETAILS
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385605
SHEET 59 OF –
A703

MECHANICAL LEGEND

NEW PIPING

EXISTING PIPING TO REMAIN

EXISTING PIPING TO BE REMOVED

GATE VALVE

GLOBE VALVE

CHECK VALVE

STRAINER

UNION

TEE (PLAN, UP, DOWN)

ELBOW (PLAN, UP, DOWN)

NOTE REFERENCE

A
B

IDENTIFICATION TARGET
A = DETAIL NUMBER
B = SHEET NUMBER ON WHICH DETAIL IS LOCATED

GENERAL NOTES FOR STEAM SYSTEM

1. REFER TO THE STEAM SYSTEM PHASING NOTES.

2. REMOVAL OF PIPING SYSTEMS SHALL INCLUDE ALL CASINGS, INSULATION, SUPPORTS, EXPANSION LOOPS, AND CONCRETE ANCHORS.

3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING THIS PROJECT. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE CONTRACTING OFFICER'S ATTENTION IMMEDIATELY.

4. THE NEW UNDERGROUND STEAM AND PUMPED CONDENSATE SYSTEMS ARE FACTORY FABRICATED DRAINABLE, DRYABLE, AND TESTABLE TYPE HEAT DISTRIBUTION SYSTEMS. EXCEPT FOR FIELD JOINTS, FIELD FABRICATED PIPING AND INSULATION ARE NOT ACCEPTABLE FOR THESE PIPING SYSTEMS. THE DESIGN BASIS SYSTEM FOR THIS UNDERGROUND PIPING IS THE INSUL-800 HIGH TEMP CONDUIT BY ROVANCO.

5. WHERE THE NEW UNDERGROUND STEAM AND CONDENSATE SYSTEMS ARE REQUIRED TO CROSS EXISTING UTILITIES, THE EXISTING SYSTEMS SHALL BE HAND EXCAVATED. SHOULD THERE BE AN ELEVATION CONFLICT, IT SHALL BE BROUGHT TO THE CONTRACTING OFFICER'S ATTENTION IMMEDIATELY.

6. UNDERGROUND SYSTEM FIELD JOINTS SHALL BE IN ACCORDANCE WITH DETAIL 5/M7.

7. UNDERGROUND SYSTEM ANCHOR DETAILS SHALL BE IN ACCORDANCE WITH DETAIL 2/M7.

8. UNDERGROUND SYSTEM ELBOWS SHALL BE IN ACCORDANCE WITH DETAIL 1/M7.

REF #49885

STEAM SYSTEM PHASING NOTES

1. EXCEPT FOR SHORT OUTAGES, THE EXISTING STEAM SYSTEM MUST REMAIN IN SERVICE. THE CONTRACTOR SHALL PREFABRICATE AS MUCH PIPING AS POSSIBLE TO KEEP THE DOWNTIMES TO A MINIMUM. THE DESIRE WOULD BE TO HAVE ONLY ONE SYSTEM OUTAGE DUE TO THE DIFFICULTIES INVOLVED IN SHUTTING DOWN AND STARTING UP THE STEAM SYSTEM. THE CONTRACTOR SHALL DETERMINE THE REQUIRED DURATION OF THE OUTAGE.

2. ANY STEAM SYSTEM OUTAGES SHALL BE COORDINATED WITH THE CONTRACTING OFFICER. THE CONTRACTOR SHALL PROVIDE AT LEAST TWO WEEKS NOTICE OF ANY ANTICIPATED SHUTDOWN.

3. NO SHUTDOWN WILL BE ALLOWED TO COMMENCE UNTIL ALL OF THE MATERIAL REQUIRED TO TAKE THE SYSTEM OUT OF SERVICE AND RETURN THE SYSTEM TO SERVICE IS ON THE SITE.

4. ALL OF THE NEW PIPING THAT CAN POSSIBLY BE INSTALLED WITHOUT DISTURBING THE EXISTING SYSTEM SHALL BE INSTALLED PRIOR TO ANY SHUTDOWN.

5. THE MOST DIFFICULT PHASING CHALLENGE WILL BE AT THE PIT ADJACENT TO THE STEAM PLANT. SOME EXISTING PIPING WILL HAVE TO BE REMOVED IN ORDER TO FACILITATE THE INSTALLATION OF THE NEW STEAM AND PUMPED CONDENSATE PIPING. THERE WILL BE DEMOLITION AND NEW WORK THAT HAS TO OCCUR BOTH INSIDE AND OUTSIDE OF THE PIT. THE CONTRACTOR SHALL CAREFULLY EXCAVATE AROUND ALL OF THE PIPING OUTSIDE OF THIS PIT TO THE POINT OF CONNECTION TO THE NEW PIPING THAT HAS BEEN ABLE TO BE INSTALLED WITHOUT DISTURBING THE EXISTING SYSTEM OPERATION. THEN AS MUCH WORK AS POSSIBLE SHALL BE PREFABRICATED IN ORDER TO REDUCE THE SYSTEM OUTAGE.

6. THE NEW STEAM PIT WILL HAVE TO BE BUILT AROUND THE EXISTING UNDERGROUND STEAM AND CONDENSATE PIPING, I.E. INITIALLY WHEN THE PIT IS FABRICATED AND BEFORE ANY NEW PIPING HAS BEEN INSTALLED IN AND AROUND IT, THE EXISTING PIPING WILL JUST RUN THROUGH IT. AT THE TIME OF THE SYSTEM OUTAGE, THE EXISTING PIPING WILL BE CUT AND CONNECTIONS MADE TO THE NEW PIPING. THE REMAINDER OF THE EXISTING STEAM AND CONDENSATE PIPING WILL THEN BE REMOVED FROM THE STEAM PIT AND THE OPENINGS IN THE PIT WALL SHALL BE PATCHED WITH CONCRETE.

7. AT THE EXISTING STEAM PIT SERVING THE BARRACKS AT THE EAST END OF THE SITE, THE NEW UNDERGROUND PIPING SHALL BE BROUGHT INTO THE PIT AND TERMINATED AT THE FLANGED CONNECTION IN THE PIT. THE PIPING FROM THESE FLANGED CONNECTIONS TO THE EXISTING SYSTEM CONNECTIONS SHALL BE PREFABRICATED. THEN DURING THE SYSTEM OUTAGE, THE EXISTING PIPING SHALL BE REMOVED AND THE NEW PIPING CONNECTIONS INSTALLED.

8. ALL EXISTING UNDERGROUND PIPING AND THE EXISTING STEAM PITS TAKEN OUT OF SERVICE CAN BE REMOVED AFTER THE NEW SYSTEM IS COMPLETE AND IN SERVICE.

REF #49048

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M17

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSN VAN WAGENEN CHK THOMAS LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (FIRM NUMBER-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approvd
	ASBUILT			

SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY - STEAM LINE
MECHANICAL LEGEND AND NOTES
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385553
SHEET 8 OF –

M1

POLIFKA DRIVE

EXISTING 8" UNDERGROUND STEAM LINE AND EXISTING 4" UNDERGROUND CONDENSATE LINE TO REMAIN

NEW STEAM PIT, REFER TO SHEET M3

EXISTING 8" UNDERGROUND STEAM LINE AND EXISTING 4" UNDERGROUND CONDENSATE LINE TO REMAIN

EXISTING 8" UNDERGROUND STEAM LINE AND EXISTING 4" UNDERGROUND CONDENSATE LINE TO REMAIN

EXISTING STEAM PIT TO REMAIN. REFER TO ENLARGED PLANS 1/M4 AND 1/M5 FOR ALTERATIONS

EXISTING 4" UNDERGROUND STEAM LINE AND EXISTING 4" UNDERGROUND CONDENSATE LINE TO REMAIN

EXISTING 4" UNDERGROUND STEAM LINE AND EXISTING 3" UNDERGROUND CONDENSATE LINE TO REMAIN

REMOVE STEAM PIT BELOW GRADE FILL WITH GROUT

EXISTING STEAM PIT TO REMAIN. REFER TO ENLARGED PLANS 2/M4 AND 2/M5 FOR ALTERATIONS

EXISTING 2" UNDERGROUND STEAM LINE AND EXISTING 1-1/2" UNDERGROUND CONDENSATE LINE TO REMAIN (STEAM PIT THIS PIPING SERVED HAS ALREADY BEEN REMOVED)

FORDYCE ST.

LANDSCAPE TIMBERS

DORMITOR
FFE=270.8'

SITE PLAN – MECHANICAL DEMOLITION

SCALE: 1"=20'-0"

NORTH

GRAPHIC SCALE

20' 0 20' 40'

1" = 20'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M02/R04

DESIGNED BY SECOND
KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMPSON CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY FIRM NOBS TITLE DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd
A	ASBUILT	RB	12/16/03	

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY – STEAM LINE

SITE PLAN – MECHANICAL DEMOLITION

APPROVED

DATE

EFD FOR COMMANDER, NAVFAC

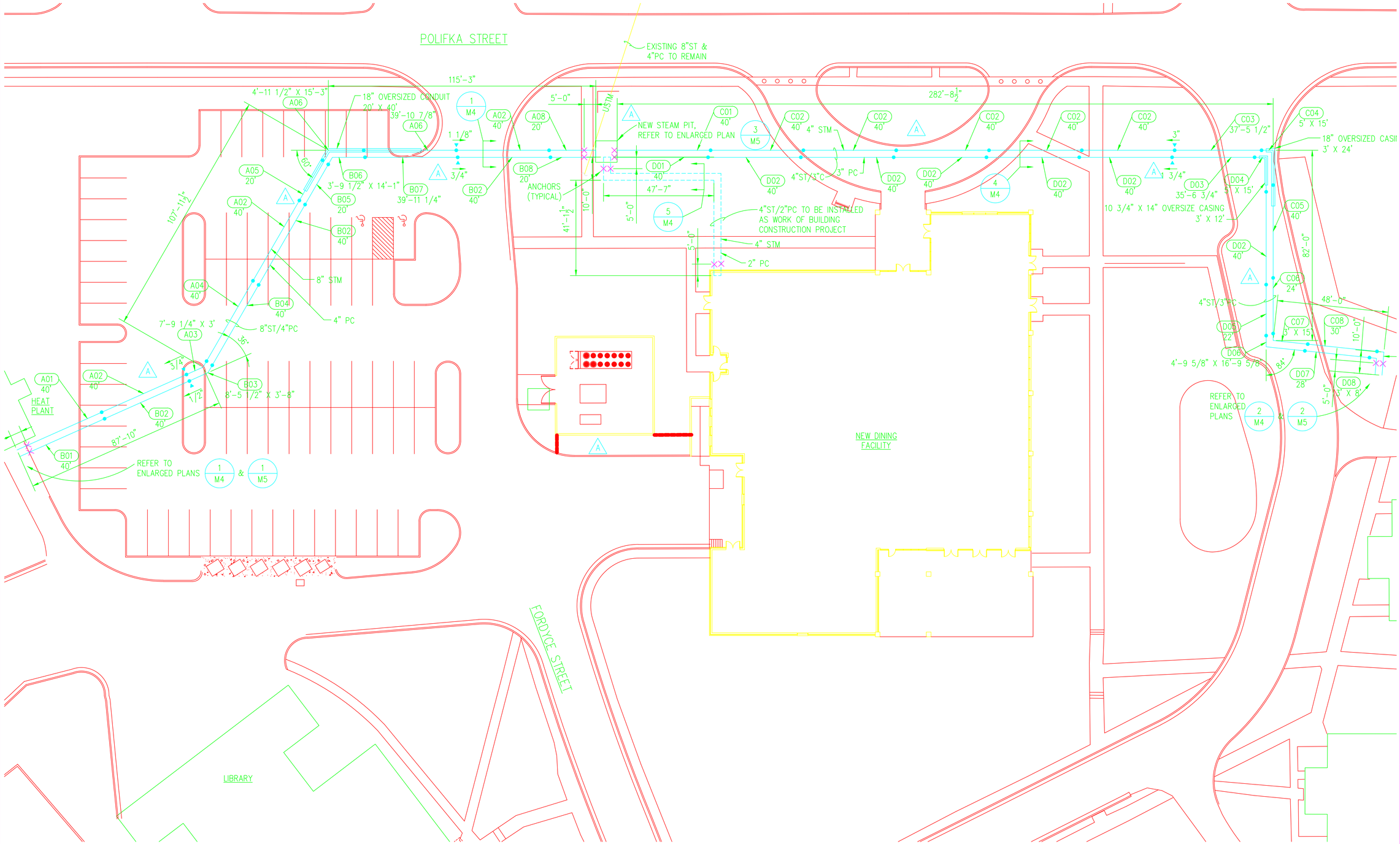
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385554
SHEET 9 OF

M2



LEGEND

- RISER
- ANCHOR (POUR IN CONCRETE)
- END SEAL
- GLAND SEAL
- OVERSIZED CONDUIT

PART DRAWING LAYOUT LEGEND

- FIELD JOINT LOCATION
- COLD SPRING, AMOUNT, AND DIRECTION (0")
- A00 0'-0" PART NUMBER AND SIZE

SITE PLAN – MECHANICAL

SCALE: 1"=20'-0"

NORTH

GRAPHIC SCALE

20' 0 20' 40'

1" = 20'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M16/R04

DESIGNER OF RECORD
KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (PSW HOLDER-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd.
A	ASBUILT	RB	12/10/03	

SUMTER, S.C.

DINING FACILITY – STEAM LINE

PLAN – MECHANICAL

EFD FOR COMMANDER, NAVFAC
DATE
APPROVED

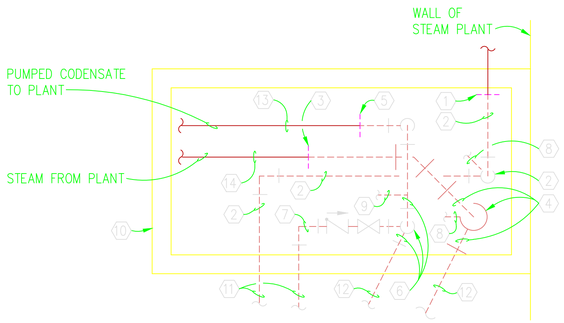
SHAW AIR FORCE BASE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385555
SHEET 10 OF
M3



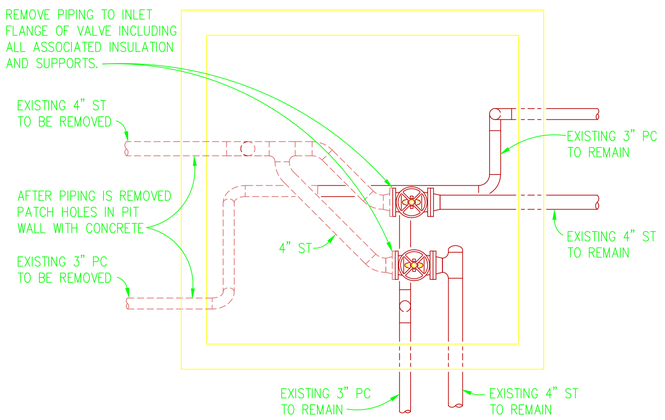
NOTES

1. CUT EXISTING 4" STEAM LINE AT THIS POINT AND WELD A NEW CAP ON THE PIPING TO REMAIN.
2. REMOVE EXISTING 4" STEAM LINE IN MANHOLE ENTIRELY INCLUDING ALL ASSOCIATED INSULATION AND SUPPORTS.
3. CUT EXISTING 8" STEAM LINE AT THIS POINT AND PREPARE END OF PIPING FOR CONNECTION OF NEW PIPING.
4. REMOVE EXISTING 8" STEAM PIPING FROM CUT POINT IN NOTE 3 TO EXIT OF MANHOLE TO EAST INCLUDING ALL ASSOCIATED INSULATION AND SUPPORTS.
5. CUT EXISTING 4" CONDENSATE LINE AT THIS POINT AND PREPARE END OF PIPING FOR CONNECTION OF NEW PIPING.
6. REMOVE EXISTING 4" CONDENSATE PIPING FROM CUT POINT IN NOTE 5 TO EXIT OF MANHOLE TO EAST INCLUDING ALL ASSOCIATED INSULATION AND SUPPORTS.
7. REMOVE EXISTING 2" CONDENSATE PIPING FROM ENTRY INTO MANHOLE TO 4" CONDENSATE PIPING THAT IS BEING REMOVED.
8. REMOVE 3/4" DRIP LEG CONDENSATE PIPING CONNECTION INCLUDING ALL VALVES, TRAPS, AND SUPPORTS. REFER TO NOTE 9.
9. 3/4" DRIP LEGS ARE CONNECTED TO 4" CONDENSATE PIPING AT THIS POINT. REMOVE 3/4" CONDENSATE PIPING FROM THIS POINT BACK TO THE DRIP LEG CONNECTIONS INCLUDING ALL VALVES, TRAPS, AND SUPPORTS. REFER TO NOTE 8.
10. EXISTING CONCRETE PIT. PIT HAS A REMOVABLE SOLID STEEL COVER.
11. REMOVE EXISTING 4" STEAM AND 4" CONDENSATE PIPING ENTIRELY. REFER TO SHEET M101. PIPING SYSTEMS OUTSIDE THE PIT ARE OF THE DRAINABLE, DRYABLE, TESTABLE CONDUIT TYPE. PENETRATIONS OF THE PIT WALL SHALL BE REMOVED ENTIRELY AND THEN THE WALL SHALL BE PATCHED WITH CONCRETE OF THE SAME THICKNESS AS THE EXISTING WALL.
12. REMOVE EXISTING 8" STEAM AND 4" CONDENSATE PIPING ENTIRELY. REFER TO SHEET M101. PIPING SYSTEMS OUTSIDE THE PIT ARE OF THE DRAINABLE, DRYABLE, TESTABLE CONDUIT TYPE. PENETRATIONS OF THE PIT WALL SHALL BE REMOVED ENTIRELY AND THEN THE WALL SHALL BE PATCHED WITH CONCRETE OF THE SAME THICKNESS AS THE EXISTING WALL.
13. EXISTING 4" CONDENSATE PIPING TO REMAIN TO THE CUT POINT DESCRIBED IN NOTE 5.
14. EXISTING 8" STEAM PIPING TO REMAIN TO THE CUT POINT DESCRIBED IN NOTE 3.

EXISTING STEAM PIT AT PLANT – DEMOLITION

1 / M4

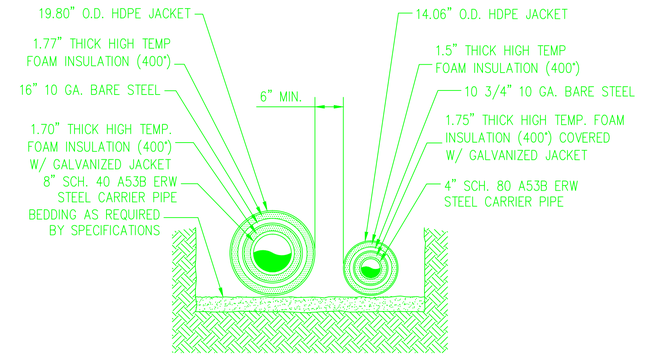
SCALE: 1/2"=1'-0"



EXISTING STEAM PIT AT BARRACKS – DEMOLITION

2 / M4

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

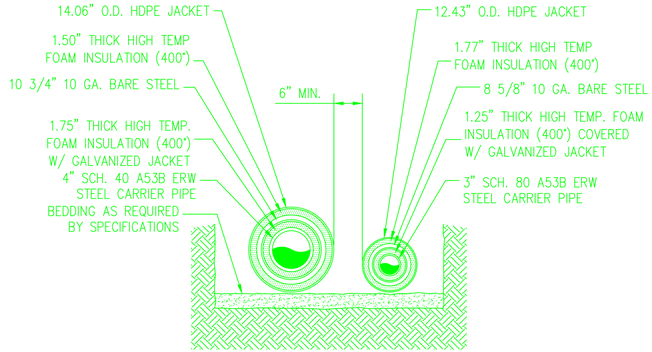


A

TYPICAL TRENCH CROSS SECTION

3 / M4

SCALE: NTS

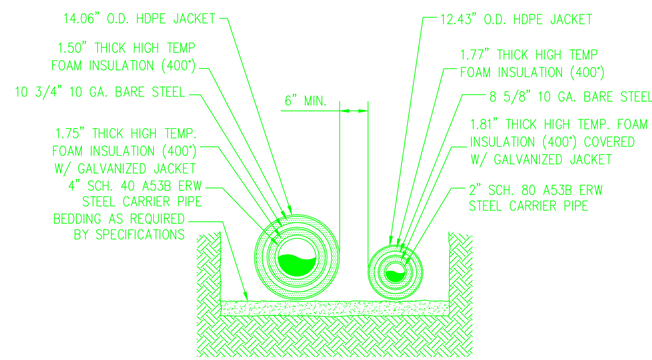


A

TYPICAL TRENCH CROSS SECTION

4 / M4

SCALE: NTS



A

TYPICAL TRENCH CROSS SECTION

5 / M4

SCALE: NTS

GRAPHIC SCALE

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

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M14

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DES/VAN WAGENEN CHK THOMAS LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (PRINT NAME/TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd.
A	ASBUILT	RB	12/10/03	

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY – STEAM LINE

ENLARGED PLANS – MECHANICAL DEMOLITION

EFD FOR COMMANDER, NAVFAC

APPROVED DATE

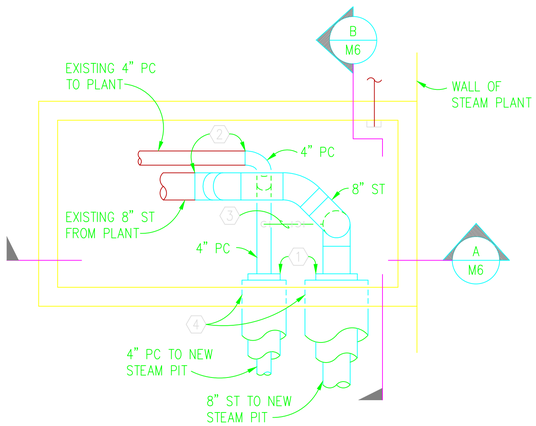
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385556
SHEET 11 OF –

M4

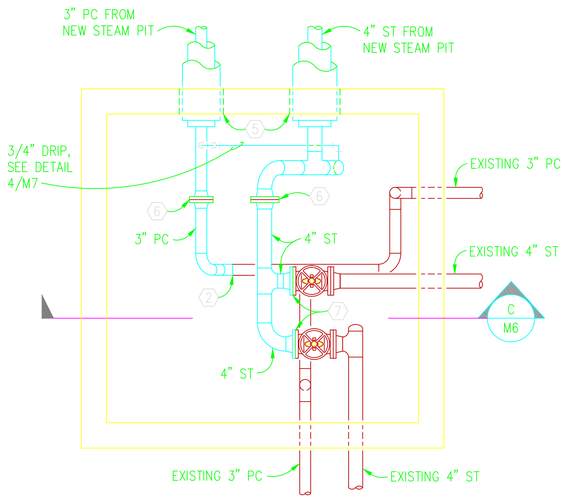


EXISTING STEAM PIT AT PLANT

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

1 M5

NORTH

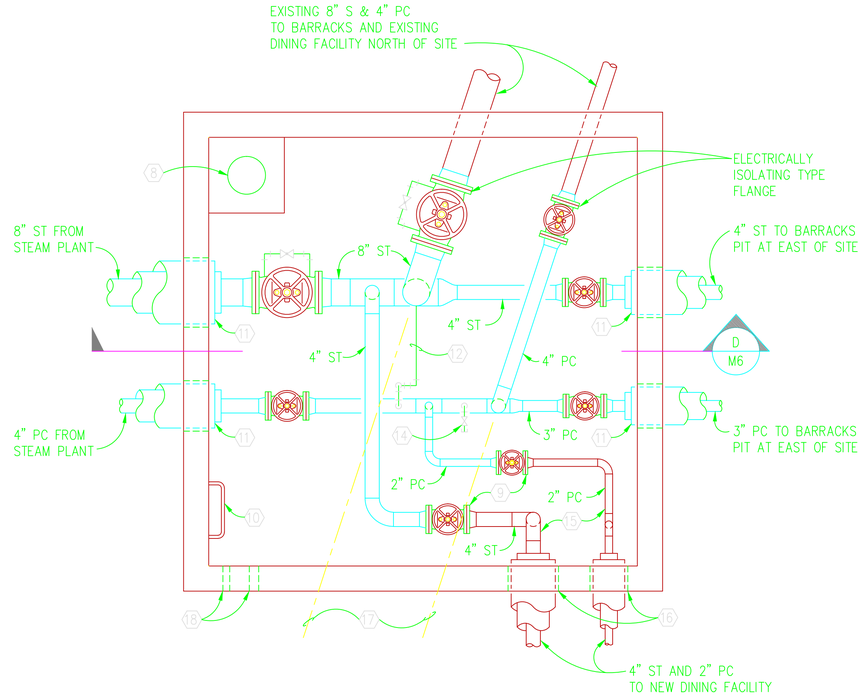


EXISTING STEAM PIT AT BARRACKS

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

2 M5

NORTH



NEW STEAM PIT

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

3 M5

NORTH

STEAM PITS PLAN NOTES

1. FOR END SEALS SEE DETAIL 3/M7.
2. CONNECT NEW PIPING TO EXISTING PIPING AT THIS POINT.
3. 3/4" DRIP LEG, REFER TO DETAIL 4/M7.
4. AFTER EXISTING PIPING IS REMOVED, GROUT NEW SLEEVES IN PLACE FOR NEW PIPING.
5. INSTALL NEW SLEEVES IN WALL OF PIT FOR NEW PIPING.
6. FLANGED CONNECTION TO FACILITATE A SHORTER SYSTEM OUTAGE. THESE FLANGES SHALL BE OF THE ELECTRICALLY ISOLATING TYPE.
7. CONNECT NEW PIPING TO FLANGED INLET OF THE EXISTING VALVE.
8. FUTURE SUMP PUMP TO BE INSTALLED AS WORK OF THE DINING FACILITY BUILDING PROJECT.
9. PROVIDE A BLIND FLANGE ON THE END OF THE VALVE FOR FUTURE CONNECTION OF THE NEW DINING FACILITY.
10. LADDER
11. FOR END SEALS, REFER TO DETAIL 3/M7.
12. 3/4" DRIP LEG, REFER TO DETAIL 4/M7.
13. 3/4" GLOBE VALVE BYPASS ON VALVE.
14. 3/4" VALVED AND CAPPED CONNECTION FOR FUTURE DRIP LEG CONNECTION.
15. FUTURE PIPING TO BE INSTALLED AS WORK OF THE NEW DINING FACILITY PROJECT.
16. INSTALL SLEEVES FOR THE FUTURE PIPING. PROVIDE TEMPORARY PLUGS IN THEM. THE SLEEVE FOR THE STEAM PIPING SHALL BE 16" DIAMETER AND THE SLEEVE FOR THE PUMPED CONDENSATE SHALL BE 12" DIAMETER.
17. EXISTING PIPING TO REMAIN UNTIL THE SYSTEM OUTAGE DURING WHICH THE NEW PIPING CONNECTIONS WILL BE MADE.
18. INSTALL SLEEVES FOR THE FUTURE SUMP PUMP ELECTRICAL CONNECTION AND DISCHARGE PIPE. THE ELECTRICAL CONNECTION SLEEVE SHALL BE 1" DIAMETER AND THE DISCHARGE PIPING SLEEVE SHALL BE 3" DIAMETER.

REF #49888

GRAPHIC SCALE

1/2" = 1'-0"

2' 1' 0 2' 4'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M11

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DES/M VAN WAGENEN/M THOMAS CHK LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (FIRM NUMBER-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approd
	ASBUILT			

SHAW AIR FORCE BASE

DINING FACILITY - STEAM LINE

ENLARGED PLANS - MECHANICAL

SUMTER, S.C.

EFD FOR COMMANDER, NAVFAC

DATE

APPROVED

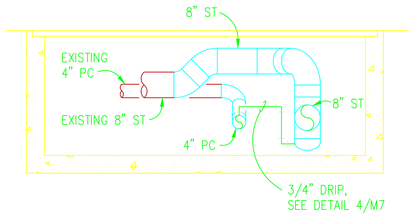
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

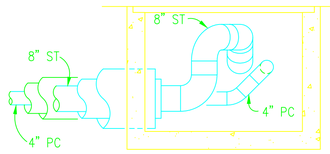
RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385557
SHEET 12 OF –

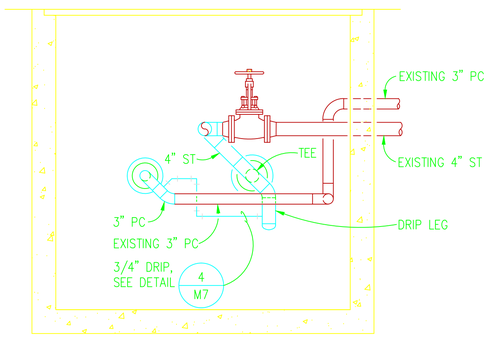
M5



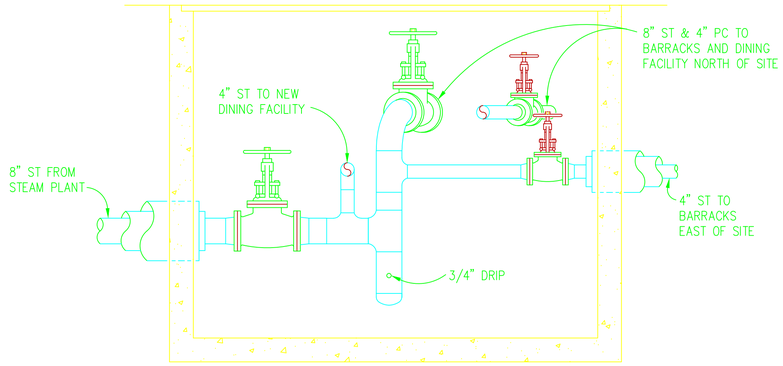
SECTION A
SCALE: 1/2"=1'-0"
M6



SECTION B
SCALE: 1/2"=1'-0"
M6



SECTION C
SCALE: 1/2"=1'-0"
M6



SECTION D
SCALE: 1/2"=1'-0"
M6

GRAPHIC SCALE
1/2" = 1'-0"
2' 1' 0 2' 4'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M13

DESIGNED BY
KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202

DRAWN VAN WAGENEN CHK THOMAS ENGR RUTH
SUPV VAN WAGENEN CH ENGR LEHOSIT
SUBMITTED BY FIRM NOT TITLED DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE
DINING FACILITY – STEAM LINE
ENLARGED PLANS – MECHANICAL

DATE
APPROVED
EFD FOR COMMANDER, NAVFAC
DATE

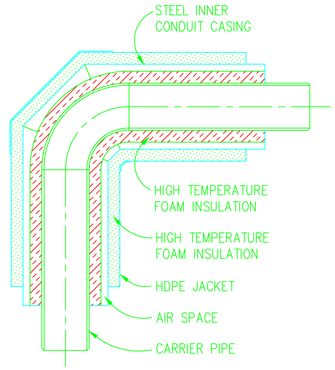
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

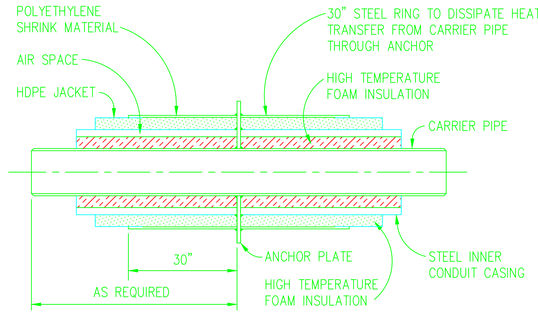
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385558
SHEET 13 OF –

M6



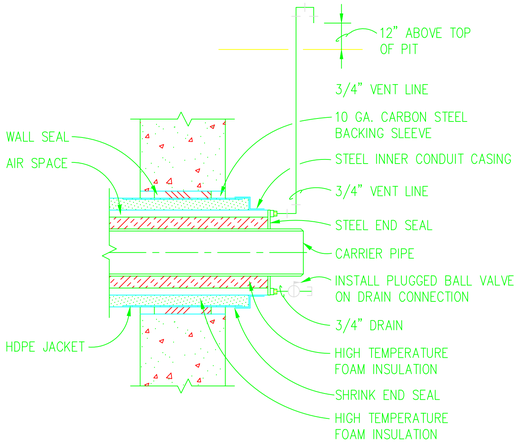
TYPICAL ELBOW DETAIL 1/M7

NOT TO SCALE



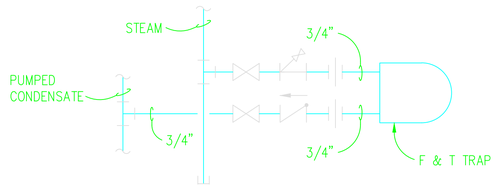
TYPICAL ANCHOR DETAIL 2/M7

NOT TO SCALE



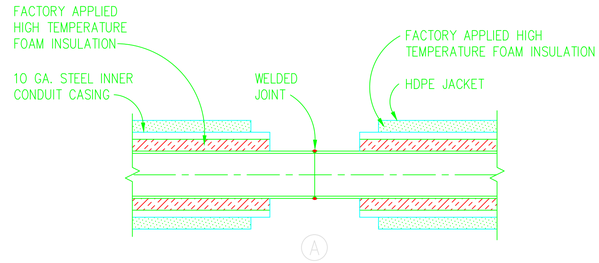
TYPICAL END SEAL DETAIL 3/M7

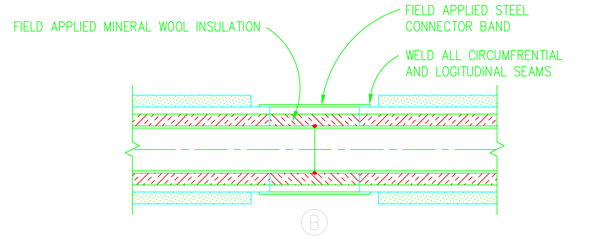
NOT TO SCALE

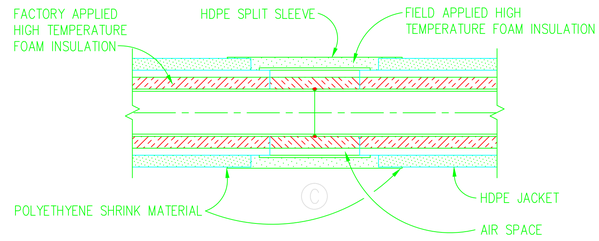


DRIP DETAIL 4/M7

NOT TO SCALE







TYPICAL FIELD JOINT DETAIL 5/M7

NOT TO SCALE

99010M15

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSN/VAN WAGENEN/ THOMAS CHK LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (FIRM NUMBER-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY – STEAM LINE

MECHANICAL DETAILS

EFD FOR COMMANDER, NAVFAC
DATE
APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385559
SHEET 14 OF

M7

MECHANICAL LEGEND

SUPPLY DUCT, SECTION.

RETURN OR EXHAUST DUCT, SECTION.

SUPPLY DUCT, SECTION (ROUND).

AxB — RECTANGULAR DUCTWORK, FIRST DIMENSION IS THAT OF SIDE SHOWN.

ACOUSTICALLY LINED RECTANGULAR DUCTWORK.

INSULATED FLEXIBLE ROUND DUCT, SAME SIZE AS DIFFUSER INLET UNLESS NOTED OTHERWISE.

Ø — ROUND DUCTWORK.

ELBOW WITH TURNING VANES (PLAN, UP, DOWN).

45°, L=1/4W, MIN. 4", W — RECTANGULAR BRANCH DUCT CONNECTION.

CONICAL FITTING WITH DAMPER ON BRANCH CONNECTION TO RECTANGULAR MAIN (PROVIDE DAMPER IN LOW PRESSURE DUCTWORK ONLY).

45° CONICAL LATERAL FITTING IN ROUND DUCTWORK.

CONICAL TEE FITTING IN ROUND DUCTWORK.

R — DUCT OFFSETS UP IN DIRECTION INDICATED.

D — DUCT OFFSETS DOWN IN DIRECTION INDICATED.

OPPOSED BLADE VOLUME DAMPER (OBVD).

FLEXIBLE DUCT CONNECTION.

FIRE DAMPER WITH ACCESS PANEL.

M — MOTORIZED DAMPER.

A — AIR MONITOR DAMPER

SD — DUCT MOUNTED SMOKE DETECTOR PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. REFER TO SPECIFICATIONS FOR CONTROL REQUIREMENTS.

ROUND NECK SIZE "A", CFM — CEILING MOUNTED ARCHITECTURAL FACE PANEL SUPPLY AIR DIFFUSER, NOMINAL 24" X 24" FRAME, 360° AIR PATTERN. REFER TO DETAIL 1/M601.

ROUND NECK SIZE "B", CFM — CEILING MOUNTED LOUVER FACE SUPPLY AIR DIFFUSER, FOUR-WAY THROW UNLESS INDICATED OTHERWISE. REFER TO DETAIL 2/M601.

ROUND NECK SIZE "C", CFM — CEILING MOUNTED ARCHITECTURAL FACE PANEL SUPPLY AIR DIFFUSER, NOMINAL 12" X 12" FRAME, 360° AIR PATTERN. SIMILAR TO DETAIL 1/M601.

CFM — LINEAR SLOT CEILING MOUNTED SUPPLY AIR DIFFUSER

SIZE "CR", CFM — CEILING MOUNTED RETURN AIR REGISTER 1/2" X 1/2" 1/2" GRID CORE. REFER TO DETAIL 3/M601.

D — CEILING MOUNTED RETURN OR EXHAUST AIR GRILLE, 1/2" X 1/2" X 1/2" GRID CORE NOMINAL SIZE 24" X 24". SIMILAR TO DETAIL 3/M601.

E — CEILING MOUNTED RETURN OR EXHAUST AIR REGISTER 1/2" X 1/2" X 1/2" GRID CORE, NOMINAL SIZE 12" X 12". SIMILAR TO DETAIL 3/M601.

SIZE "SR", CFM — WALL MOUNTED SUPPLY AIR REGISTER.

SIZE "WR", CFM — WALL MOUNTED RETURN OR EXHAUST AIR REGISTER.

SIZE "WG", CFM — WALL MOUNTED RETURN OR EXHAUST AIR GRILLE.

CHWS — CHILLED WATER SUPPLY PIPING.

CHWR — CHILLED WATER RETURN PIPING.

HWS — HOT WATER SUPPLY PIPING.

HWR — HOT WATER RETURN PIPING.

S — STEAM PIPING.

C — STEAM CONDENSATE PIPING.

TEE (PLAN, UP, DOWN).

ELBOW (PLAN, UP, DOWN).

SELF BALANCING HOSE KIT.

GATE VALVE.

GLOBE VALVE.

TWO WAY MOTORIZED CONTROL VALVE.

THREE WAY MOTORIZED CONTROL VALVE.

PRESSURE REDUCING VALVE.

FLOW CONTROL VALVE.

TRIPLE DUTY VALVE.

SUCTION DIFFUSER WITH STRAINER.

BALL VALVE FOR PIPING 2-INCHES AND SMALLER, BUTTERFLY VALVE FOR PIPING 2-1/2 INCHES AND LARGER.

CHECK VALVE.

STRAINER.

BALANCE VALVE WITH INTEGRAL TAPS FOR CONNECTION OF DIFFERENTIAL PRESSURE METER. VALVE SHALL HAVE NAMEPLATE INDICATING WATER FLOW RATE VERSUS VALVE PRESSURE DROP.

A — AUTOMATIC FLOW CONTROL VALVE WITH INTEGRAL TEMPERATURE AND PRESSURE TEST PORTS.

UNION.

THERMOMETER WELL.

THERMOMETER.

PRESSURE GAUGE WITH GAUGE COCK.

FLEXIBLE CONNECTION.

PRESSURE RELIEF VALVE.

AFF — ABOVE FINISHED FLOOR.

S — WALL MOUNTED DDC SENSOR CONTROLLER, MOUNT 5'-0" ABOVE FINISHED FLOOR.

T, UNIT SERVED — WALL MOUNTED THERMOSTAT, MOUNT 5'-0" ABOVE FINISHED FLOOR.

NOTE REFERENCE.

SIZE, DG — DOOR GRILLE.

FS — FLOW SENSOR.

FT — FLOW RATE TRANSFER ASSEMBLY.

A / B — IDENTIFICATION TARGET.
A = DETAIL NUMBER.
B = SHEET NUMBER ON WHICH DETAIL IS LOCATED.

PIPE ANCHOR.

AUTO AIR VENT.

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010007

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT | PM AZZARELLA-HK | LEHOSIT
SUPV VAN WAGENEN | CH ENGR | RUTH
SUBMITTED BY (PRIME MEMBER-TITLE) | DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL LEGEND

DATE

EFD FOR COMMANDER, NAVFAC

APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385633
SHEET 87 OF

M001

PACKAGED AIR COOLED CHILLER SCHEDULE

PLAN DESIGNATION	C-1
DESIGN BASIS CAPACITY, TONS	133
MINIMUM ACCEPTABLE CAPACITY, TONS	125
LEAVING WATER TEMPERATURE (°F)	44
WATER FLOW RATE, GPM	212
MAXIMUM WATER PRESSURE DROP, FT. W.G.	10
CONDENSER ENTERING AIR TEMPERATURE (°F)	95
TOTAL COMPRESSOR, KW	154.4
MINIMUM UNIT EER (COMPRESSORS, FAN AND CONTROLS)	9.5
STEPS OF CAPACITY (% LOAD)	VARIABLE FROM 100-10%
MINIMUM NUMBER OF COMPRESSORS	2
REFRIGERANT TYPE (HCFC)	R22
ELECTRICAL DATA	
VOLTS/PHASE/HERTZ	208/3/60
COMPRESSORS DATA	
NO. 1 RLA/LRA	280/1689
NO. 2 RLA/LRA	280/1689
TYPE OF STARTING	WYE DELTA CLOSED TRANSITION
FAN MOTOR FLA	QTY 10 @ 6.5 EA.
DESIGN BASIS MINIMUM CIRCUIT AMPS	702
MAXIMUM OVERCURRENT PROTECTION (AMPS)	800
CONTROL CIRCUIT, KW	0.75
COOLER HEATER CIRCUIT PROTECTION, AMPS	15

NOTES

1. PROVIDE FLOW SWITCH.
2. PROVIDE 115 VOLT CONTROL TRANSFORMER TO PROVIDE POWER TO CONTROL VOLTAGE.
3. PROVIDE CRANKCASE HEATER POWERED BY CONTROL CIRCUIT.
4. PROVIDE 115 VOLT EVAPORATOR HEATER.

REF# 49089

AIR HANDLING UNIT SCHEDULE

PLAN DESIGNATION	AHU-1	AHU-2
FAN DATA		
SUPPLY CFM	14,900	11,300
OUTSIDE AIR CFM (PRE-CONDITIONED)	6,230	5,100
STATIC PRESSURES IN. W.G.		
EXTERNAL	2.00	2.00
FILTERS	0.45	0.45
SUPPLY FAN	0.13	0.19
COOLING COIL AND MULTIZONE DAMPERS	0.64	0.79
MIXING BOX	0.10	0.05
TOTAL	3.32	3.48
RPM, DESIGN/MAXIMUM	654/700	828/900
MAXIMUM BRAKE HORSEPOWER	13.2	11.5
MINIMUM MOTOR HORSEPOWER	15	15
MOTOR VOLTAGE/PHASE/HERTZ	208/3/60	208/3/60
CHILLED WATER COOLING COIL DATA		
COIL AIRFLOW (CFM)	14,900	11,300
FACE VELOCITY, DESIGN/MAX. (FPM)	436/500	464/500
TOTAL CAPACITY (BTUH)	312,600	247,700
SENSIBLE CAPACITY (BTUH)	281,500	200,000
ENTERING AIR TEMP., °F (DB/WB)	70.2/60.0	69.1/60.4
LEAVING AIR TEMP., °F (DB/WB)	53.0/52.5	53.0/52.63
ROWS/FINS PER FOOT	4/139	6/98
ENTERING WATER TEMP. °F	44	44
LEAVING WATER TEMP. °F	58	58
WATER PRESSURE DROP, DESIGN/MAX. (FT. W.G.)	4.6/10	4.45/10
CHILLED WATER FLOW (GPM)	44.7	35.38
UNIT CONFIGURATION	1	1

AIR HANDLING UNIT CONFIGURATION

1. MULTIZONE AIR HANDLING UNIT WITH THE FOLLOWING COMPONENTS IN THE DIRECTION OF AIRFLOW: MIXING BOX: FILTER SECTION FOR 4" THICK 65% FILTER; FAN SECTION; MULTIZONE-BYPASS SECTION.

AIR HANDLING UNIT NOTES

1. MAXIMUM FILTER FACE VELOCITY SHALL NOT EXCEED 500 FEET PER MINUTE.

2. SCHEDULED EXTERNAL STATIC PRESSURE INCLUDES LOSSES FOR SUPPLY AND RETURN AIR DISTRIBUTION SYSTEMS ONLY AND DOES NOT INCLUDE LOSSES FOR COILS, CASINGS, FILTER, ETC.

3. PROVIDE 6 INCH HIGH BASE RAILS UNDER ENTIRE LENGTH OF UNIT.

REF# 49075

COIL MODULE SCHEDULE

PLAN DESIGNATION	CM-1	CM-2
COOLING COIL DATA		
COIL AIRFLOW (CFM)	6,230	5,100
FACE VELOCITY, DESIGN/MAX. (FPM)	438/450	415/450
TOTAL CAPACITY (BTUH)	471,900	386,300
SENSIBLE CAPACITY (BTUH)	263,300	215,600
ENTERING AIR TEMP., °F (DB/WB)	92.0/76.0	92.0/76.0
LEAVING AIR TEMP., °F (DB/WB)	54.0/53.9	54.0/53.9
ENTERING WATER TEMP. °F	44	44
LEAVING WATER TEMP. °F	58	58
MAXIMUM AIR PRESSURE DROP (IN.WG.)	0.80	0.74
WATER PRESSURE DROP, DESIGN/MAX. (FT. W.G.)	11/12	8/12
NUMBER OF ROWS/FINS PER FT.	6/166	6/166
CHILLED WATER FLOW (GPM)	67.42	55.19
HEATING COIL DATA (PRE-HEAT POSITION)		
COIL AIRFLOW (CFM)	6,230	5,100
FACE VELOCITY, DESIGN/MAX. (FPM)	516/540	453/500
HEATING CAPACITY (BTUH)	201,850	165,240
ENTERING AIR TEMP., °F (DB/WB)	25	25
LEAVING AIR TEMP., °F (DB/WB)	55	55
ENTERING WATER TEMP. °F	180	180
LEAVING WATER TEMP. °F	150	150
MAXIMUM AIR PRESSURE DROP (IN.WG.)	0.1	0.1
WATER PRESSURE DROP, DESIGN/MAX. (FT. W.G.)	0.8/3.0	0.51/3.0
HOT WATER FLOW (GPM)	13.45	11
NUMBER OF ROWS/FINS PER FT.	1/80	1/80
CONFIGURATION	1	1

CONFIGURATION

1.COMPONENTS IN THE DIRECTION OF AIRFLOW: FLAT FILTER SECTION, HOT WATER COIL, CHILLED WATER COIL.

2.MAXIMUM FILTER FACE VELOCITY SHALL NOT EXCEED 500 FPM. FILTER AIR PRESSURE DROP SHALL NOT EXCEED 0.30 IN. W.C.

REF# 49046

DESIGNER OF RECORD
KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202

DSGN	LEHOSIT	CH ENGR	RUTH
SUPV	VAN WAGENEN	DATE	
SUBMITTED BY (PWR MEMBER-TITLE)			

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL SCHEDULES

TECHNICAL BRANCH DATE

FPE DATE

EFD FOR COMMANDER, NAVFAC

APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO.
N62467-00-C-0397
NAVFAC DRAWING NO.
5385634
SHEET 88 OF

M002

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

9900M009 (PS1)

EXHAUST FAN SCHEDULE

PLAN DESIGNATION	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6	EF-7	EF-8	EF-9	EF-10
CFM	750	1,000	840	200	90	1,100	4,000	2500	7500	7500
EXT. STATIC PRESS. (IN.W.G.)	0.5	0.75	0.375	0.25	0.25	0.375	2.00	2.00	2.00	2.00
FAN RPM	1711	1411	1066	1063	1401	1259	1109	1561	975	975
FAN BREAKHORSEPOWER	0.18	0.23	0.102	74.86W	47.17W	0.17	2.31	1.37	4.41	4.41
MOTOR HORSEPOWER	0.25	0.33	0.17	0.04	0.05	0.25	3.00	1.50	5.00	5.00
ELECTRICAL DATA (V/PH/HZ)	115/1	115/1	115/1	115/1	115/1	115/1	208/3/60	208/3/60	208/3/60	208/3/60
FAN TYPE	1	1	2	2	2	2	3	3	3	3
SOUND RATING (MAX. SONES)	10.7	11.2	6.2	4.6	3.5	8.9	18	18	20	20
ACCESSORIES	1,2,3,4,6	1,2,3,4,6	1,2,3,4,6	1,2,3,4,5	1,2,3,4,5	1,2,3,4,6	1,3,6	1,3,6	1,3,6	1,3,6

FAN TYPE:

1. ROOF MOUNTED UPBLAST CENTRIFUGAL EXHAUST VENTILATOR.
2. ROOF MOUNTED DOWNBLAST CENTRIFUGAL EXHAUST VENTILATOR.
3. ROOF MOUNTED UPBLAST CENTRIFUGAL EXHAUST VENTILATOR, UL762 GREASE HOOD EXHAUST FAN.

ACCESSORIES:

1. FACTORY MOUNTED DISCONNECT
2. BACKDRAFT DAMPER
3. ROOF CURB SPECIFICALLY MATCHED TO THE ROOF TYPE AND SLOPE
4. BIRDSCREEN
5. DIRECT DRIVE
6. BELT DRIVE

NOTES:

1. FAN BREAKHORSEPOWER INCLUDES DRIVE LOSSES.
2. ROOF MOUNTED FANS SHALL BE PAINTED TO MATCH THE ROOF COLOR.

REF# 49104

AIR CURTAIN FAN SCHEDULE

PLAN DESIGNATION	ACF-1	ACF-2
QUANTITY	1	1
LENGTH (INCHES)	72	72
AVERAGE CFM AT NOZZLE (HIGH/LOW)	4920/3645	4920/3645
MOTOR HORSEPOWER/QTY OF MOTORS	1/2-TWO	1/2-TWO
MOTOR AMPS (TOTAL)	10.4	10.4
ELECTRICAL CHARACTERISTICS	120V/1PH	120V/1PH

AIR CURTAIN FAN NOTES:

1. PROVIDE AIR CURTAINS WITH A SINGLE POINT POWER CONNECTION.
2. AIR CURTAIN FANS SHALL PROVIDE INSECT CONTROL AND THERMAL PROTECTION.
3. PROVIDE AN INSTANT ON/OFF MICRO SWITCH FOR EACH DOOR.

REF# 49102

PUMP SCHEDULE

PLAN DESIGNATION	P-1	P-1	P-3	P-3
FLOW RATE, (GPM)	212	212	109	109
TOTAL DYNAMIC HEAD, (FT. W.G.)	75	75	51	51
RPM	1,750	1,750	1,750	1,750
EFFICIENCY, (%)	75	75	60	60
MAXIMUM BRAKEHORSEPOWER	7.6	7.6	3.4	3.4
MOTOR HORSEPOWER	10	10	5	5
ELECTRICAL, (VOLT/PHASE)	208/3	208/3	208/3	208/3
PUMP TYPE	1	1	2	2

PUMP TYPE:

1. CENTRIFUGAL PUMP, END SUCTION, BASE MOUNTED.
2. CENTRIFUGAL PUMP, CLOSE COUPLED, IN-LINE MOUNTED.

REF# 49103

DESIGN CONDITIONS

OUTDOOR TEMPERATURES	
SUMMER, DB/WB (°F)	92.0/76.0
WINTER, DB (°F)	25
INDOOR TEMPERATURES	
SUMMER, DB/WB (°F)	77.0/64.0
WINTER, DB (°F)	68

REF# 50611

STEAM-TO-WATER HEAT EXCHANGER SCHEDULE

DESIGNATION	HE-1
TYPE	SHELL & TUBE
LOCATION	MECH ROOM
TUBESIDE WATER DATA	
FLOW RATE (GPM)	109
ENTERING WATER TEMP. (°F)	150
LEAVING WATER TEMP. (°F)	180
PRESSURE DROP (FT. W.G.)	0.90
SHELLSIDE STEAM DATA	
STEAM LBS. PER HOUR	1662.2
STEAM PRESSURE (PSIG)	5

REF# 50610

SUMP PUMP SCHEDULE

PLAN DESIGNATION	SP-1
WATER FLOW RATE, GPM	15
TOTAL DYNAMIC HEAD, (FT. W.G.)	23
NET POSITIVE SUCTION HEAD, FT. W.G.	3
MOTOR HORSEPOWER	1/3
ELECTRICAL DATA	115/1/60

NOTES:

1. UNIT SHALL BE SUITABLE FOR CONTINUOUS OPERATION AT 200 DEGREES F.
2. UNIT SHALL BE CORD AND PLUG CONNECTED.
3. PROVIDE MERCURY FLOAT SWITCH LEVEL CONTROL.

REF# 50123

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

9900M069 (PS2)

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202
DSGN LEHOSIT PMAZZARELLA CHK LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (PRINT NAME/TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Apprvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL SCHEDULES

DATE

APPROVED

EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385635
SHEET 89 OF

M003

DUCT MOUNTED HOT WATER COIL SCHEDULE

PLAN DESIGNATION	HWC-S-1	HWC-S-2	HWC-S-3	HWC-S-4	HWC-1-1	HWC-1-2	HWC-1-3	HWC-1-4	HWC-1-5	HWC-1-6	HWC-1-7	HWC-1-8	HWC-1-9
SERVICE	HOOD 35	HOOD 47	HOOD 91	HOOD 94	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8	ZONE 10
AIR QUANTITY CFM	2,800	1,750	5,250	5,250	2,470	2,120	1,545	430	3,950	2,055	335	955	600
ENTERING AIR TEMPERATURE, (℉)	25.0	25.0	25.0	25.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
LEAVING AIR TEMPERATURE, (℉)	68.0	68.0	68.0	68.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
MINIMUM HEATING CAPACITY, (BTUH)	130,570	81,610	244,830	244,830	48,550	41,671	30,369	8,452	77,641	40,393	6,585	18,771	11,794
MAXIMUM AIR PRESSURE DROP, (IN. WG)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
ENTERING WATER TEMPERATURE, (℉)	180	180	180	180	180	180	180	180	180	180	180	180	180
LEAVING WATER TEMPERATURE, (℉)	150	150	150	150	150	150	150	150	150	150	150	150	150
WATER FLOW RATE, (GPM)	8.7	5.4	16.3	16.3	3.2	2.8	2.0	0.75	5.2	2.7	0.75	1.3	0.79
MAXIMUM WATER PRESSURE DROP, (FT.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

DUCT MOUNTED HOT WATER COIL SCHEDULE

PLAN DESIGNATION	HWC-2-1	HWC-2-2	HWC-2-3	HWC-2-4	HWC-2-5	HWC-2-6	HWC-2-7	HWC-2-8	HWC-2-9	HWC-2-10
SERVICE	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7	ZONE 8	ZONE 9	ZONE 10
AIR QUANTITY CFM	140	1,905	345	370	625	1,695	1,000	880	960	3,380
ENTERING AIR TEMPERATURE, (℉)	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
LEAVING AIR TEMPERATURE, (℉)	80.0	80.0	80.0	80.0	80.0	80.0	87.0	80.0	80.0	80.0
MINIMUM HEATING CAPACITY, (BTUH)	2,843	38,679	7,005	7,512	12,690	34,415	27,864	17,868	19,492	68,628
MAXIMUM AIR PRESSURE DROP, (IN. WG)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
ENTERING WATER TEMPERATURE, (℉)	180	180	180	180	180	180	180	180	180	180
LEAVING WATER TEMPERATURE, (℉)	150	150	150	150	150	150	150	150	150	150
WATER FLOW RATE, (GPM)	0.75	2.6	0.75	0.75	0.85	2.3	1.9	1.2	1.3	4.6
MAXIMUM WATER PRESSURE DROP, (FT.)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

HOT WATER COIL NOTES:

1. ALL COILS ARE DUCT MOUNTED. COORDINATE DIMENSIONS (HEIGTH AND WIDTH) OF HOT WATER COIL WITH ADJACENT DUCTWORK. REFER TO MECHANICAL FLOOR PLANS FOR SIZE OF DUCTWORK.

REF# 50121

SUPPLY FAN SCHEDULE

PLAN DESIGNATION	SF-1	SF-2	SF-3	SF-4
CFM	2,800	1,750	5,250	5,250
EXT. STATIC PRESS. (IN.W.G.)	1.5	1.5	1.5	1.5
FAN RPM	1347	1357	1117	1117
FAN BREAKHORSEPOWER	1.30	0.90	2.60	2.60
MOTOR HORSEPOWER	1.50	1.00	3.00	3.00
ELECTRICAL DATA (V/PH/HZ)	208/3/60	208/3/60	208/3/60	208/3/60
FAN TYPE	1	1	1	1
SOUND RATING (MAX. SONES)	18	16	23	23
FILTER AREA (SQ.FT.)	15.6	14.5	27.1	27.1
ACCESSORIES	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4

FAN TYPE

1. HIGH PRESSURE CENTRIFUGAL SQUARE INLINE FAN.

ACCESSORIES

1. FACTORY MOUNTED DISCONNECT.
2. BELT DRIVE.
3. MOTOR AND DRIVE COVER.
4. ANGLED FILTER BOX TO HOLD TWO INCH THICK FILTERS.

NOTE

1. FAN BREAKHORSEPOWER INCLUDES DRIVE LOSSES.

REF# 49104

CONDENSATE RETURN PUMP SCHEDULE

DESIGNATION	CRP-1
TYPE	DUPLEX
RECEIVER TYPE	CAST IRON
RECEIVER VOLUME (GALLONS)	45
FLOW RATE (GPM)	18
TOTAL DYNAMIC HEAD (PSI)	40
PUMP MOTOR HORSEPOWER EACH	3/4
VOLTAGE/PHASE	208/3
ACCESSORIES	1, 2, 3, 4

ACCESSORIES

1. SIGHT GLASS
2. ALTERNATOR
3. FLOAT SWITCH
4. PREWIRED CONTROL PANEL WITH STARTERS AND DISCONNECT SWITCHES.

REF# 50164

GENERAL NOTES

1. PRIOR TO ORDERING OR FABRICATING ANY NEW EQUIPMENT, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES. EQUIPMENT LOCATIONS AND CONNECTION SIZES SHALL BE DERIVED FROM THE MANUFACTURERS CERTIFIED DRAWINGS FOR THE SPECIFIC EQUIPMENT THAT WILL ACTUALLY BE FURNISHED AND INSTALLED FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE CONTRACTING OFFICER'S ATTENTION IMMEDIATELY.
2. ALL DUCTWORK DIMENSIONS ARE INSIDE CLEAR DIMENSIONS
3. ALL DUCTWORK SHALL BE ROUTED CONCEALED ABOVE CEILINGS EXCEPT FOR EXPOSED DUCTWORK LOCATED IN MECHANICAL ROOMS OR WHERE NOTED OTHERWISE.
4. CONNECTIONS TO EXHAUST FANS: TRANSITION FROM DUCT SIZE INDICATED ON PLAN TO THE FULL SIZE OF THE FAN INLET AND OUTLET AT CONNECTION TO THE FAN.
5. AN AIR BALANCING DAMPER MAY BE OMITTED FROM A SUPPLY DIFFUSER WHEN AN ACCESSIBLE BALANCING DAMPER IS PROVIDED IN THE BRANCH DUCT SERVING THE DIFFUSER.
6. FLEXIBLE DUCTWORK SHALL BE THE SAME SIZE AS THE NECK OF THE SUPPLY AIR DIFFUSER WHICH IT SERVES.
7. PROVIDE 4" HIGH REINFORCED CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED MECHANICAL EQUIPMENT.
8. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL EQUIPMENT TO PROVIDE ADEQUATE SERVICE CLEARANCE.
9. ALL EQUIPMENT, PIPING, AND DUCTWORK SHALL BE SEISMICALLY RESTRAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE U.S. ARMY CORPS OF ENGINEERS TECHNICAL INSTRUCTIONS TI 809-04 "SEISMIC DESIGN FOR BUILDINGS". PROVIDE SUBMITTAL DATA FOR SEISMIC CALCULATIONS AND RESTRAINTS.

REF# 50163

99010M09 (PS3)

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT PMAZZARELLA,CHK LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (PRM NUMBER-TITLE) DATE

TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd
	ASBUILT			

SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
MECHANICAL SCHEDULES
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

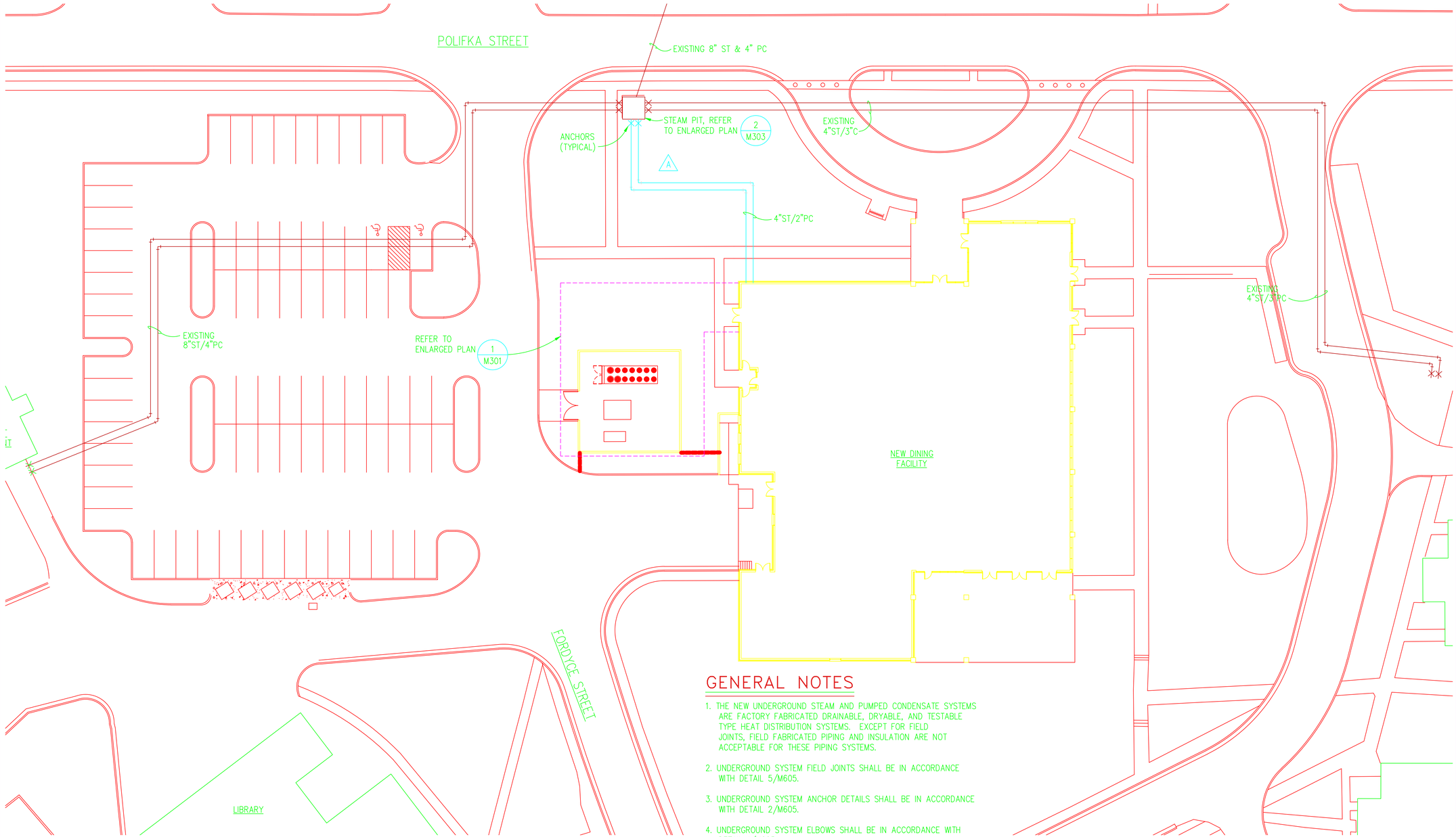
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385636
SHEET 90 OF

M004



GENERAL NOTES

1. THE NEW UNDERGROUND STEAM AND PUMPED CONDENSATE SYSTEMS ARE FACTORY FABRICATED DRAINABLE, DRYABLE, AND TESTABLE TYPE HEAT DISTRIBUTION SYSTEMS. EXCEPT FOR FIELD JOINTS, FIELD FABRICATED PIPING AND INSULATION ARE NOT ACCEPTABLE FOR THESE PIPING SYSTEMS.
2. UNDERGROUND SYSTEM FIELD JOINTS SHALL BE IN ACCORDANCE WITH DETAIL 5/M605.
3. UNDERGROUND SYSTEM ANCHOR DETAILS SHALL BE IN ACCORDANCE WITH DETAIL 2/M605.
4. UNDERGROUND SYSTEM ELBOWS SHALL BE IN ACCORDANCE WITH DETAIL 1/M605.
5. ALSO REFER TO "STEAM LINE" DRAWINGS.

REF #50068

SITE PLAN – MECHANICAL

SCALE: 1"=20'-0"

NORTH

GRAPHIC SCALE

20' 0 20' 40'

1" = 20'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M19/R04

DESIGNED, PREPARED, RECORDED
KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY FIRM HOBEE-TITLE DATE
TECHNICAL BRANCH
PPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd.
A	ASBUILT	RB	1/19/03	

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

SITE PLAN – MECHANICAL

APPROVED

EFD FOR COMMANDER, NAVFAC

DATE

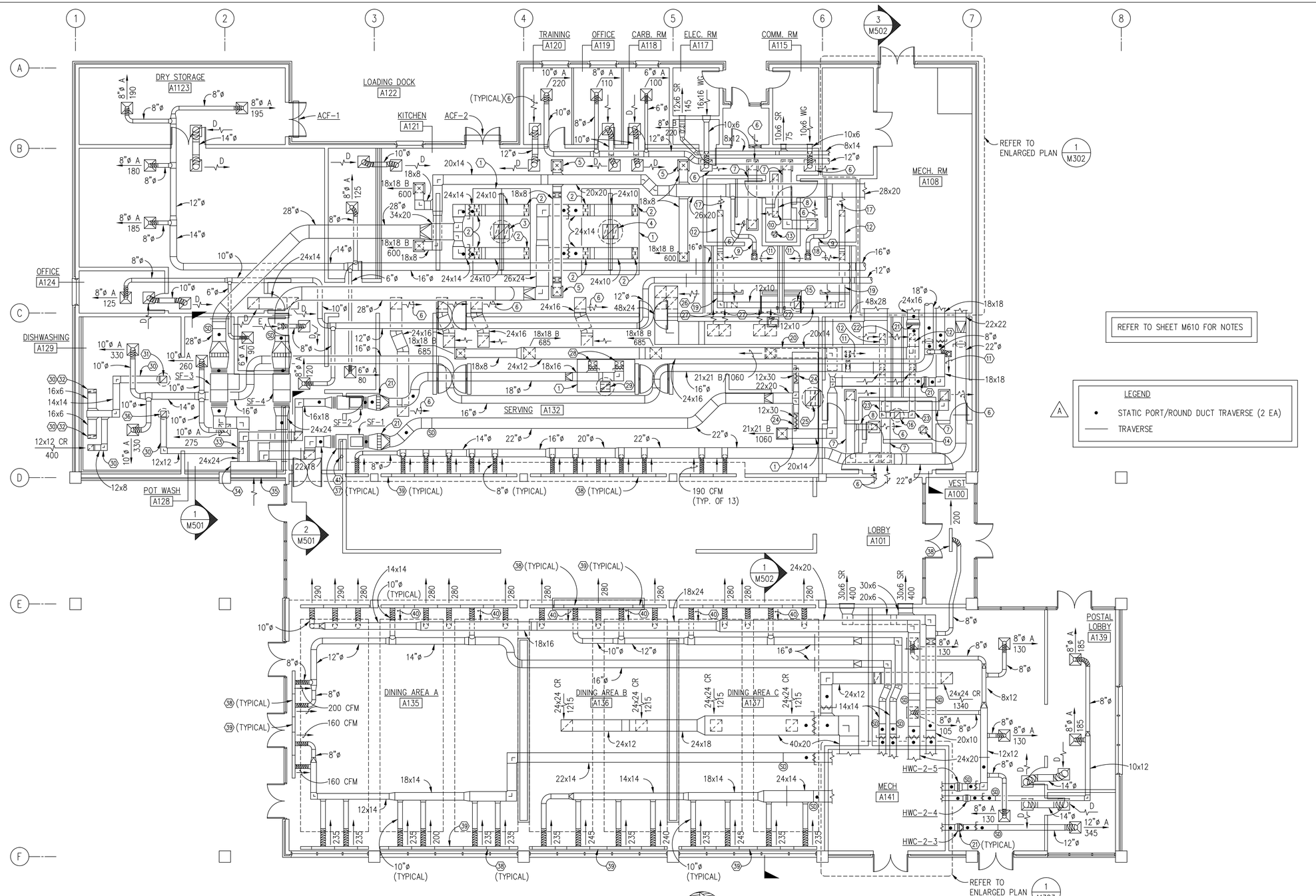
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385637
SHEET 91 OF

M101



FLOOR PLAN – MECHANICAL

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

NORTH

GRAPHIC SCALE

1/8" = 1'-0"

6' 3' 0 6' 12' 18'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M10/R01

DESIGNER OF RECORD
KEO Architects, Inc. AAC00001
510 North Ashley Drive
Jacksonville, Florida 32202

DSGN	LEHOSIT	DR	THOMAS
CHK	GREEN		
SUPV	VAN WAGENEN	CH ENGR	RUTH
SUBMITTED BY (FIRM NAME/TITLE)			DATE

TECHNICAL BRANCH

FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
A	ASBUILT	RB	12/19/03	

SHAW AIR FORCE BASE

SUMTER, S.C.

DINING FACILITY

FLOOR PLAN – MECHANICAL

APPROVED

DATE

EFD, FDR COMMANDER, NAVFAC

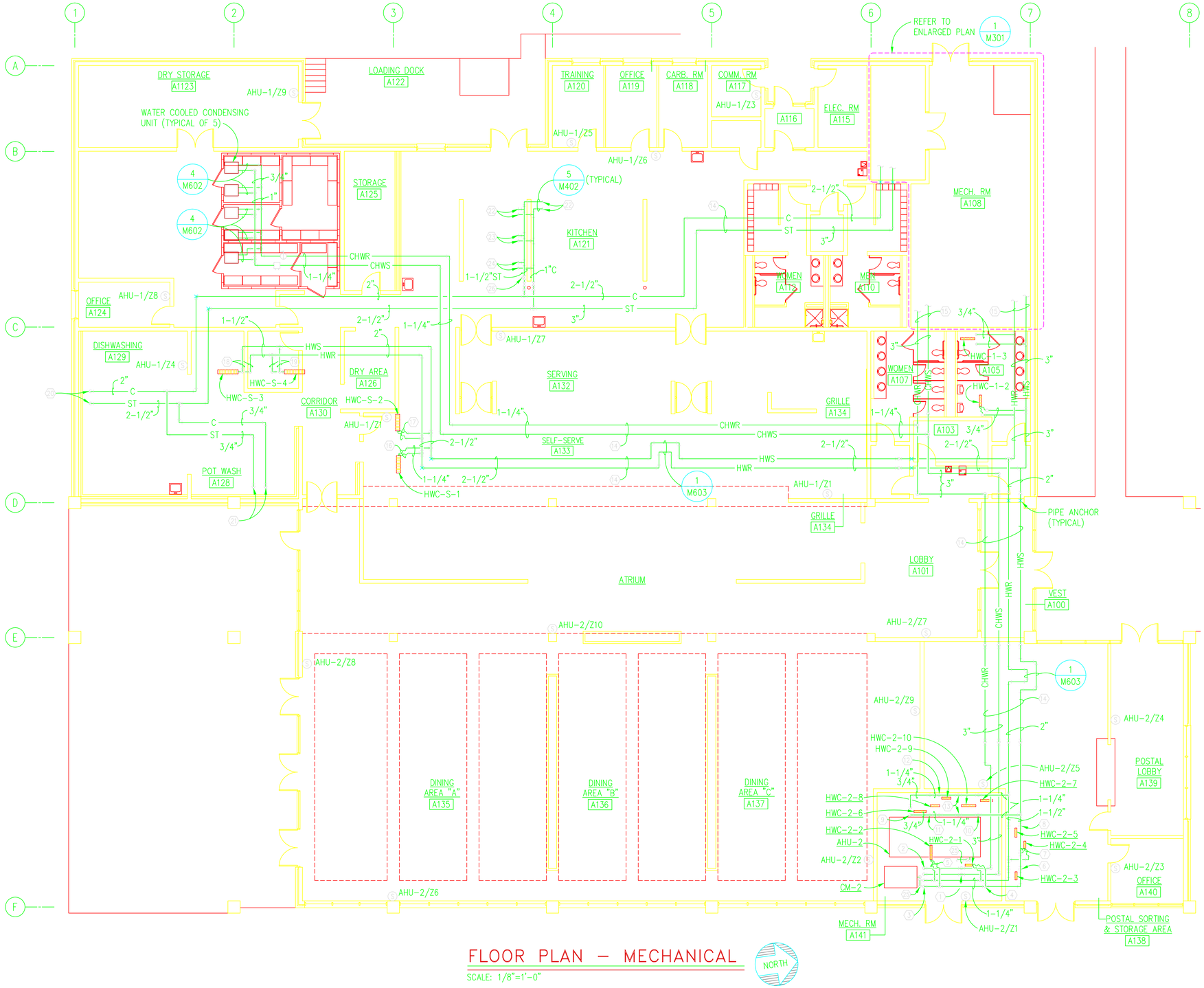
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385638
SHEET 92 OF	

M201



FLOOR PLAN – MECHANICAL

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

NORTH

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

NOTES

1. 2 INCH CHWS AND CHWR TO AIR HANDLING UNIT AHU-2. REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
2. 3 INCH CHWS AND CHWR TO COIL MODULE CM-2. REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
3. 1-1/4 INCH HWS AND HWR TO COIL MODULE CM-2. REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
4. 3/4 INCH HWS AND HWR TO HWC-2-1. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
5. 1 INCH HWS AND HWR TO HWC-2-2. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
6. 3/4 INCH HWS AND HWR TO HWC-2-3. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
7. 3/4 INCH HWS AND HWR TO HWC-2-4. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
8. 3/4 INCH HWS AND HWR TO HWC-2-5. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
9. 3/4 INCH HWS AND HWR TO HWC-2-6. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
10. 3/4 INCH HWS AND HWR TO HWC-2-7. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
11. 3/4 INCH HWS AND HWR TO HWC-2-8. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
12. 3/4 INCH HWS AND HWR TO HWC-2-9. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
13. 1 INCH HWS AND HWR TO HWC-2-10. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
14. PIPING LOCATED ABOVE CEILING.
15. REFER TO SHEET M301 FOR CONTINUATION OF PIPING.
16. 1-1/4 INCH HWS AND HWR TO HWC-S-1. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
17. 1 INCH HWS AND HWR TO HWC-S-2. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
18. 1-1/2 INCH HWS AND HWR TO HWC-S-3. REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
19. 1-1/2 INCH HWS AND HWR TO HWC-S-4. REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
20. 2-1/2 INCH ST AND 2 INCH CONDENSATE DOWN TO DISHWASHER (FOOD SERVICE EQUIPMENT NUMBER 15).
21. 3/4 INCH ST AND 3/4 INCH CONDENSATE DOWN TO SINK HEATER (FOOD SERVICE EQUIPMENT NUMBER 9).
22. 3/4 INCH ST AND 3/4 INCH CONDENSATE TO KETTLE (FOOD SERVICE EQUIPMENT NUMBER 85).
23. 1 INCH ST AND 3/4 INCH CONDENSATE TO KETTLE (FOOD SERVICE EQUIPMENT NUMBER 86).
24. 1 INCH ST AND 3/4 INCH CONDENSATE TO KETTLE (FOOD SERVICE EQUIPMENT NUMBER 87).
25. ROUTE 1-1/4 INCH TRAPPED CONDENSATE DRAIN PIPING FROM COOLING COIL TO FLOOR DRAIN.
26. PRESSURE REDUCING VALVE, SET FOR 30 PSIG DISCHARGE PRESSURE.

REF# 50150

GRAPHIC SCALE

1/8" = 1'-0" 6' 3' 0 6' 12' 18'

DESIGNED BY: KBJ Architects, Inc. AAC00001
510 North Julio Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY FSM WORKSTITLE DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

FLOOR PLAN – MECHANICAL PIPING

DATE

EFS FOR COMMANDER, NAVFAC

APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

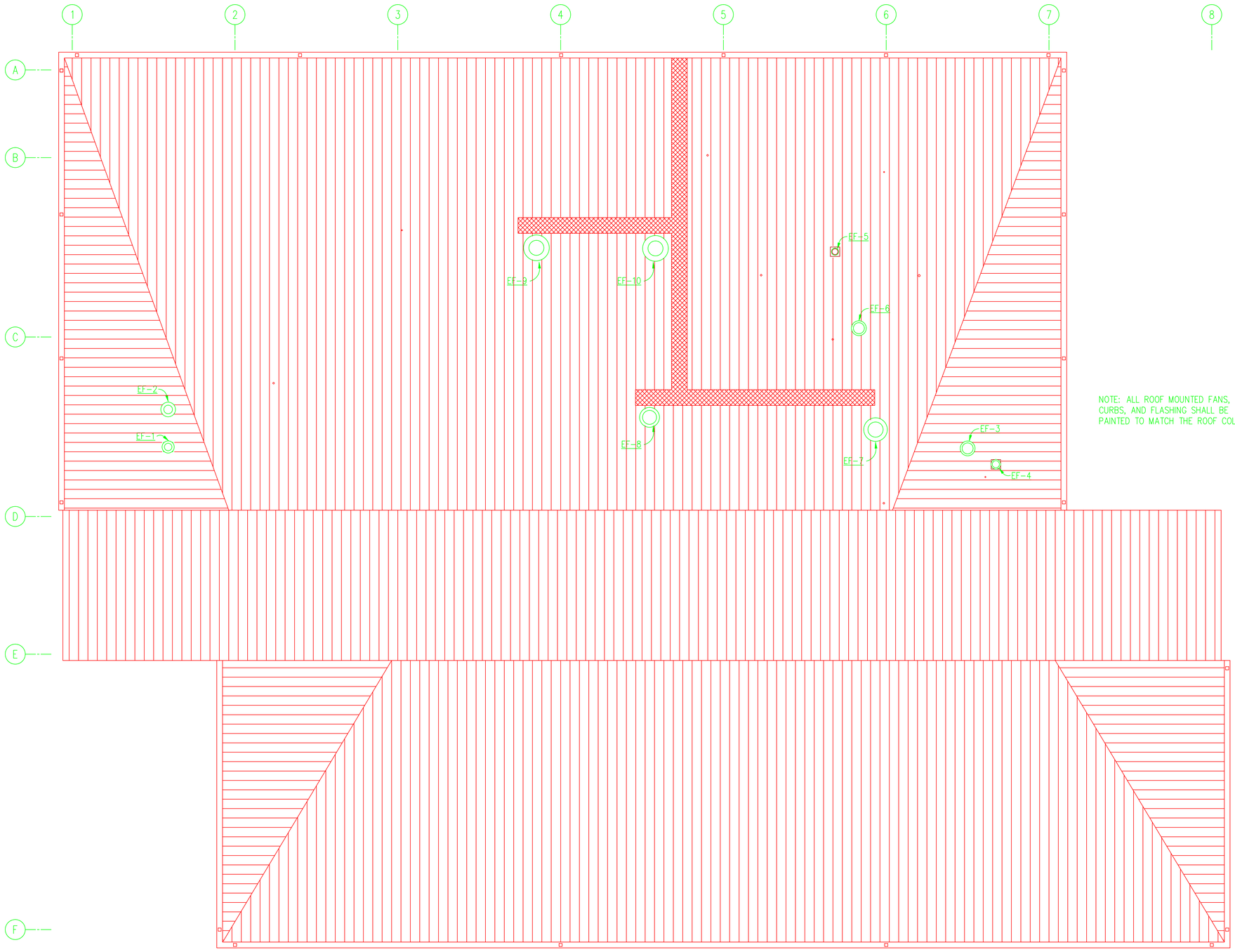
SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385639
SHEET 93 OF

M202

99010M26/R01



NOTE: ALL ROOF MOUNTED FANS, CURBS, AND FLASHING SHALL BE PAINTED TO MATCH THE ROOF COLOR.

ROOF PLAN – MECHANICAL

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

NORTH

GRAPHIC SCALE

1/8" = 1'-0"

6' 3' 0 6' 12' 18'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M08/R02

DESIGNED BY: KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DESIGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY FORM MONDS-TITLE DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

ROOF PLAN – MECHANICAL

DATE

APPROVED

EFD FOR COMMANDER, NAVFAC

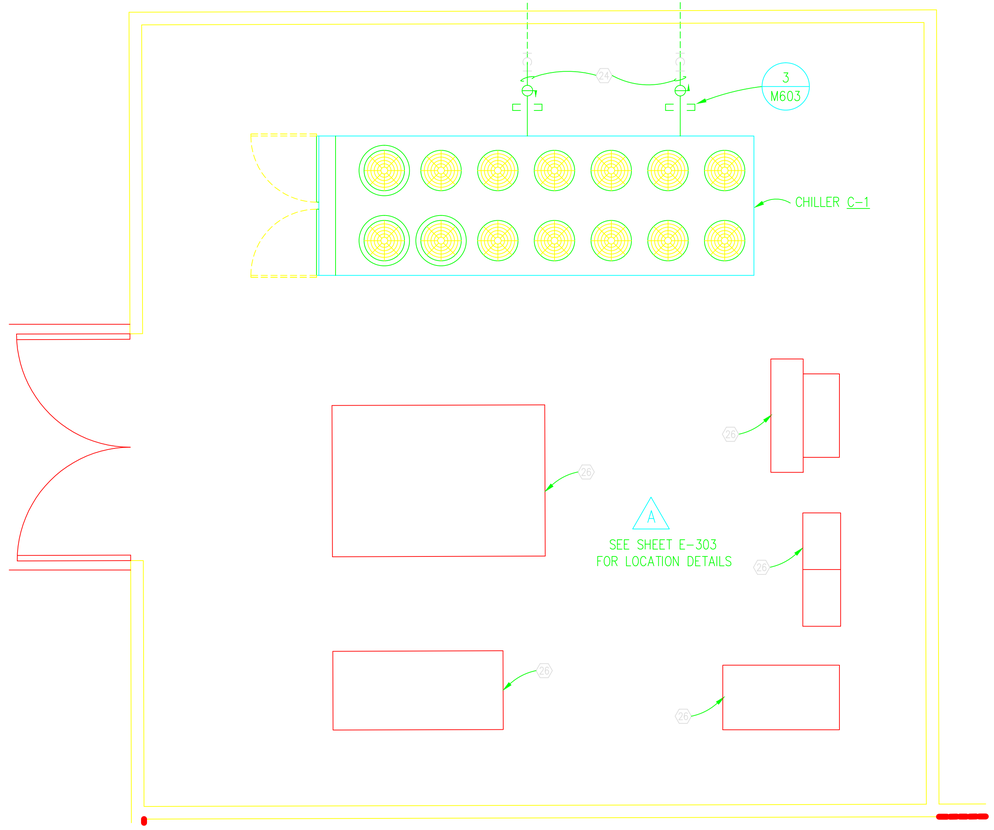
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

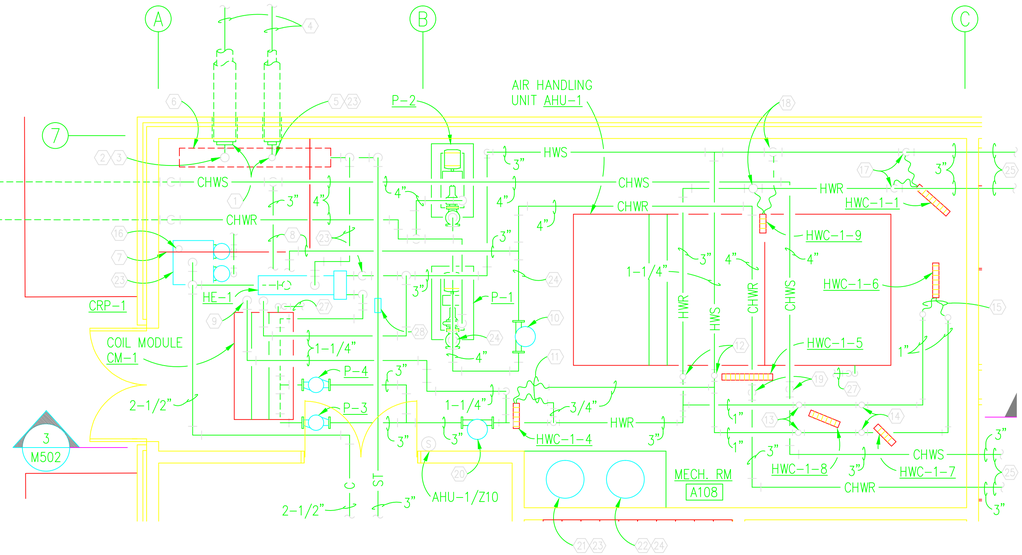
SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385640
SHEET 94 OF

M203





ENLARGED PLAN – MECHANICAL

1 / M301

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

NOTES

1. REFER TO END SEAL DETAIL 3 ON SHEET M605.
2. 4 INCH ST UP, REFER TO STEAM PRESSURE REDUCING VALVE DETAIL 1 ON SHEET M402.
3. REFER TO END OF MAIN DRIP DETAIL 2 ON SHEET M402.
4. UNDERGROUND 4 INCH ST AND 2 INCH PC REFER TO SHEET M101 FOR CONTINUATION.
5. 2 INCH PC FROM CRP-1.
6. STEAM PRESSURE REDUCING VALVES AND ASSOCIATED PIPING ON WALL ABOVE FLOOR GRATE. REFER TO DETAIL 1 ON SHEET M402.
7. PIPE ENTRANCE PIT REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
8. 3 INCH CHWS AND CHWR TO COIL MODULE CM-1. REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
9. 1-1/4 INCH HWS AND HWR TO COIL MODULE CM-1. REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
10. CHILLED WATER SYSTEM AIR SEPARATOR.
11. 3/4 INCH HWS AND HWR TO HWC-1-4. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
12. 1-1/4 INCH HWS AND HWR TO HWC-1-5. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
13. 3/4 INCH HWS AND HWR TO HWC-1-8. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
14. 3/4 INCH HWS AND HWR TO HWC-1-7. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
15. 1 INCH HWS AND HWR TO HWC-1-6. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
16. ROUTE VENT FROM CRP-1 THROUGH ROOF. REFER TO STEAM/HOT WATER PIPING SCHEMATIC 3 ON SHEET M402.
17. 1 INCH HWS AND HWR TO HWC-1-1. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
18. 3/4 INCH HWS AND HWR TO HWC-1-9. REFER TO COIL PIPING DETAIL 2 ON SHEET M602.
19. 2-1/2 INCH CHWS AND CHWR TO AIR HANDLING UNIT AHU-1. REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
20. HOT WATER SYSTEM AIR SEPARATOR.
21. HOT WATER SYSTEM EXPANSION TANK.
22. CHILLED WATER SYSTEM EXPANSION TANK.
23. REFER TO STEAM/HOT WATER PIPING SCHEMATIC 3 ON SHEET M402.
24. REFER TO CHILLED WATER SYSTEM FLOW DIAGRAM 1 ON SHEET M401.
25. REFER TO SHEET M202 FOR CONTINUATION OF PIPING.
26. ELECTRICAL EQUIPMENT REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
27. ROUTE 1-1/4 INCH TRAPPED CONDENSATE DRAIN PIPING FROM COOLING COIL TO FLOOR DRAIN.
28. MOISTURE SEPARATOR, SEE DETAIL 4/M402.

REF# 50152

GRAPHIC SCALE

1/4" = 1'-0"

4' 2' 0 4' 8'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M18

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (FIRM NUMBER ONLY) DATE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approved
A	ASBUILT	RB	12/19/03	

TECHNICAL BRANCH

FPE

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

ENLARGED PLAN – MECHANICAL

DATE

APPROVED

EFD FOR COMMANDER, NAVFAC

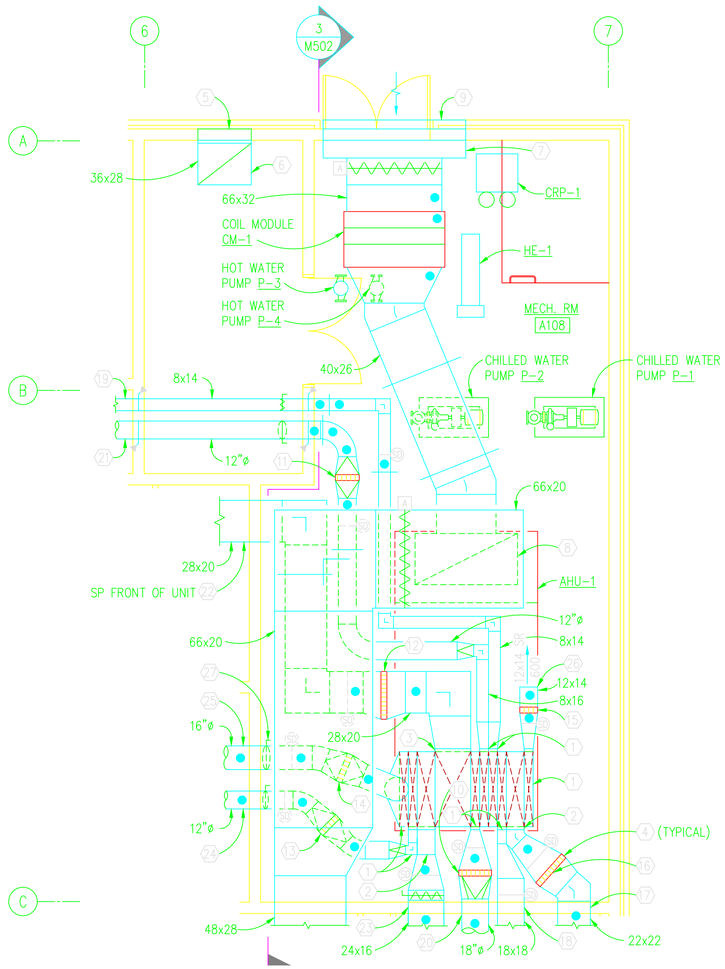
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385641
SHEET 95 OF –

M301



ENLARGED PLAN – MECHANICAL

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

1
M302

LEGEND

- STATIC PORT/ROUND DUCT TRAVERSE (2 EA)
- TRAVERSE

NOTES

1. 6X50 SUPPLY.
2. 12X50 SUPPLY.
3. 24X50 SUPPLY.
4. DUCT MOUNTED HOT WATER COIL, REFER TO SHEET M202 FOR PIPING (TYPICAL).
5. 36X56 WALL LOUVER.
6. ON UPPER HALF OF WALL LOUVER PROVIDE 36X28 ELBOW TURNED UP AND EXTEND 36X28 TO WITHIN 12 INCHES OF CEILING, TERMINATE WITH OPEN END. ON LOWER HALF OF WALL LOUVER PROVIDE 36X28 ELBOW TURNED DOWN AND EXTEND 36X28 TO WITHIN 12 INCHES OF FLOOR, TERMINATE WITH OPEN END.
7. 12 INCH DEEP PLENUM BEHIND WALL LOUVER.
8. 69x34 RETURN AIR DUCTWORK DOWN TO AHU-1 MIXING BOX.
9. 96"X32" WALL LOUVER.
10. DUCT MOUNTED HOT WATER COIL HWC-1-3.
11. DUCT MOUNTED HOT WATER COIL HWC-1-4.
12. DUCT MOUNTED HOT WATER COIL HWC-1-5.
13. DUCT MOUNTED HOT WATER COIL HWC-1-7.
14. DUCT MOUNTED HOT WATER COIL HWC-1-8.
15. DUCT MOUNTED HOT WATER COIL HWC-1-9.
16. DUCT MOUNTED HOT WATER COIL HWC-1-1.
17. AHU-1 ZONE 1, BALANCE FOR 2470 CFM.
18. AHU-1 ZONE 2, BALANCE FOR 2120 CFM.
19. AHU-1 ZONE 3, BALANCE FOR 440 CFM.
20. AHU-1 ZONE 4, BALANCE FOR 1545 CFM.
21. AHU-1 ZONE 5, BALANCE FOR 430 CFM.
22. AHU-1 ZONE 6, BALANCE FOR 3950 CFM.
23. AHU-1 ZONE 7, BALANCE FOR 2055 CFM.
24. AHU-1 ZONE 8, BALANCE FOR 335 CFM.
25. AHU-1 ZONE 9, BALANCE FOR 955 CFM.
26. AHU-1 ZONE 10, BALANCE FOR 600 CFM.
27. ZONE BALANCING DAMPER (TYPICAL).

REF# 50155

GRAPHIC SCALE

1/8" = 1'-0" 6' 3' 0 6' 12' 18'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M27/R01

DESIGNED BY: KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY FIRM NORS-TITLE DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Apprvd
A	ASBUILT	RB	12/19/03	

SUMTER, S.C.
EFD FOR COMMANDER, NAVFAC

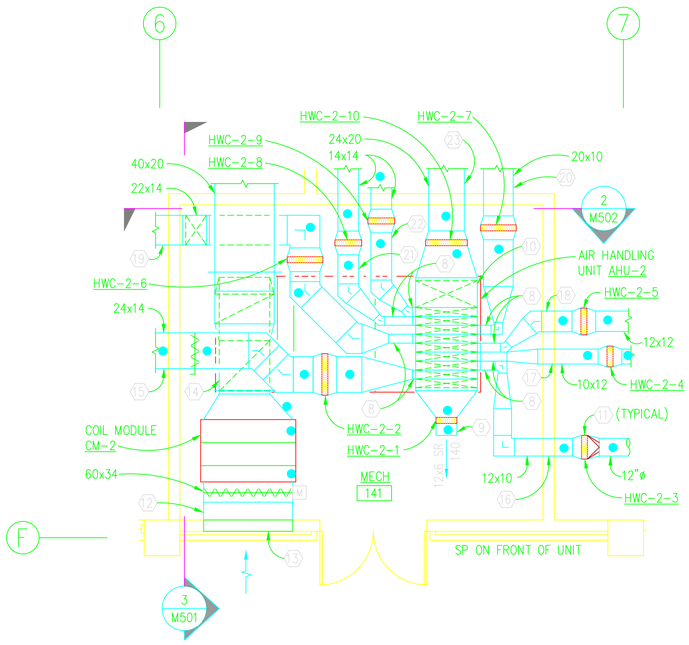
SHAW AIR FORCE BASE
DINING FACILITY
ENLARGED PLAN – MECHANICAL
APPROVED DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385642
SHEET 96 OF
M302

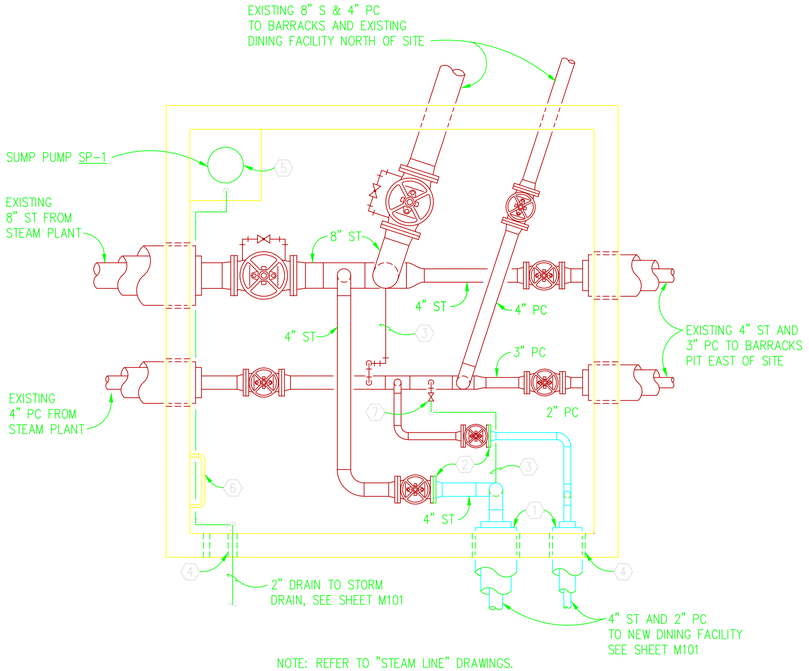


ENLARGED PLAN – MECHANICAL

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

1 M303

NORTH



NOTE: REFER TO "STEAM LINE" DRAWINGS.

STEAM PIT

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

2 M303

NORTH

A

LEGEND

- STATIC PORT/ROUND DUCT TRAVERSE (2 EA)
- TRAVERSE

NOTES

1. FOR END SEALS, REFER TO DETAIL 3/MM605.
2. REMOVE EXISTING BLIND FLANGE ON VALVE OUTLET AND CONNECT NEW PIPING TO FLANGED OUTLET OF THE EXISTING VALVE.
3. 3/4" DRIP LEG, REFER TO DETAIL 4/MM605.
4. USE EXISTING SLEEVES IN WALL OF PIT FOR NEW PIPING.
5. INSTALL SUMP PUMP IN EXISTING SUMP. PROVIDE A UNION, CHECK VALVE, AND BALL VALVE ON DISCHARGE OF PUMP.
6. EXISTING LADDER FOR ACCESS INTO PIT.
7. CONNECT NEW DRIP LEG TO EXISTING 3/4" VALVED AND CAPPED CONNECTION.
8. 6X42 SUPPLY.
9. AHU-2 ZONE 1, BALANCE FOR 140 CFM.
10. 24X42 SUPPLY.
11. DUCT MOUNTED HOT WATER COIL, REFER TO SHEET M202 FOR PIPING (TYPICAL).
12. 12 INCH DEEP PLENUM BEHIND WALL LOUVER.
13. WALL LOUVER REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
14. 34X34 OUTSIDE AIR DUCTWORK DOWN TO AHU-2 MIXING BOX.
15. AHU-2 ZONE 2, BALANCE FOR 1905 CFM.
16. AHU-2 ZONE 3, BALANCE FOR 345 CFM.
17. AHU-2 ZONE 4, BALANCE FOR 370 CFM.
18. AHU-2 ZONE 5, BALANCE FOR 625 CFM.
19. AHU-2 ZONE 6, BALANCE FOR 1695 CFM.
20. AHU-2 ZONE 7, BALANCE FOR 1000 CFM.
21. AHU-2 ZONE 8, BALANCE FOR 880 CFM.
22. AHU-2 ZONE 9, BALANCE FOR 960 CFM.
23. AHU-2 ZONE 10, BALANCE FOR 3380 CFM.

REF# 50069

GRAPHIC SCALES

1/4" = 1'-0" 4' 2' 0 4' 8'

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

99010M21/R01

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

DESIGNED BY, RECORD: KBJ Architects, Inc. AAC00001, 510 North Julia Street, Jacksonville, Florida 32202
DSGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY FORM NORS-TITLE DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd
A	ASBUILT	RB	12/19/03	

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

ENLARGED PLANS – MECHANICAL

DATE

APPROVED

EFD FOR COMMANDER, NAVFAC

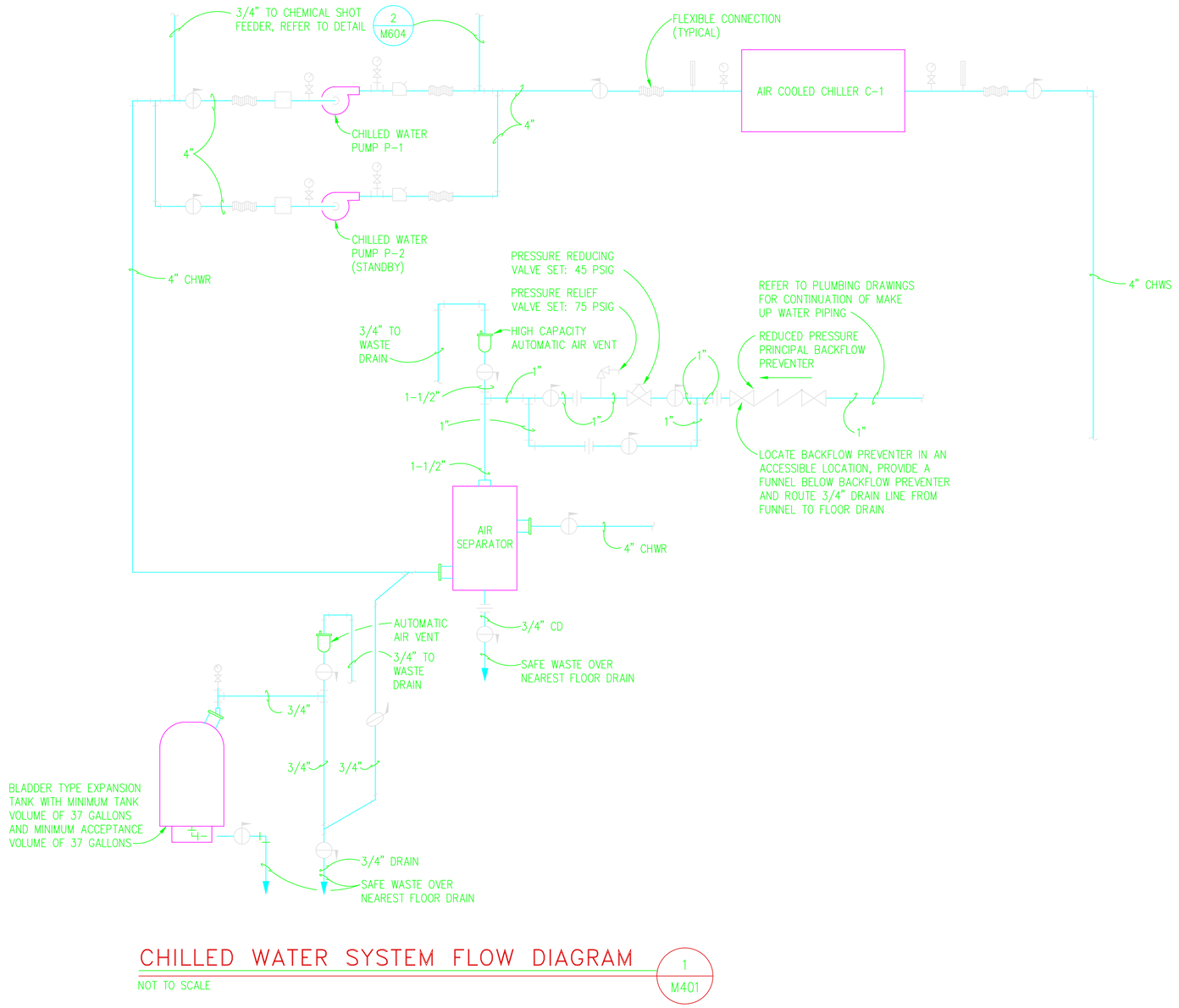
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385643
SHEET 97 OF

M303



CHILLED WATER SYSTEM FLOW DIAGRAM

1
M401

NOT TO SCALE

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M06

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 322202

DSSM LEHOSIT SUPV VAN WAGENEN SUBMITTED BY (PRINT NAME/TITLE) TECHNICAL BRANCH
PM MAZZARELLA CH ENGR RUTH DATE FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

CHILLED WATER SYSTEM FLOW DIAGRAM

APPROVED DATE

EFD FOR COMMANDER, NAVFAC

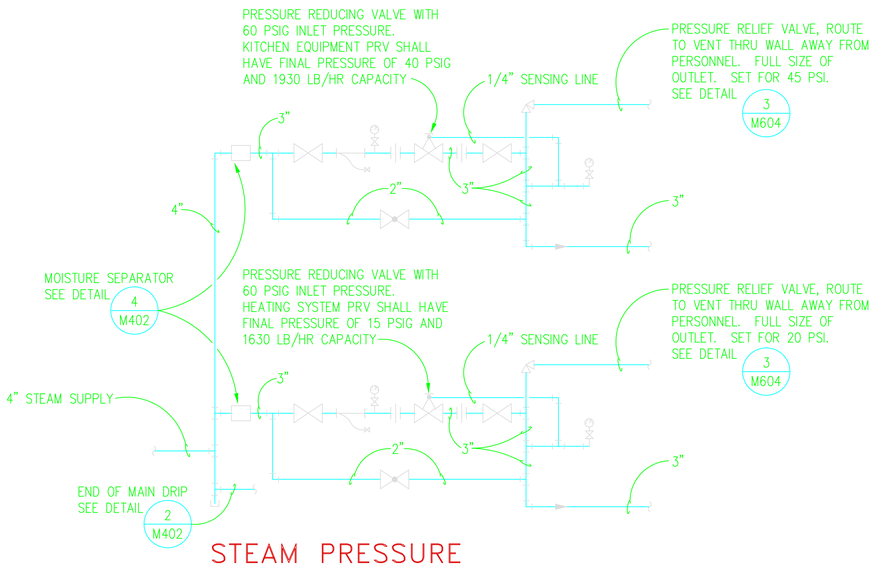
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

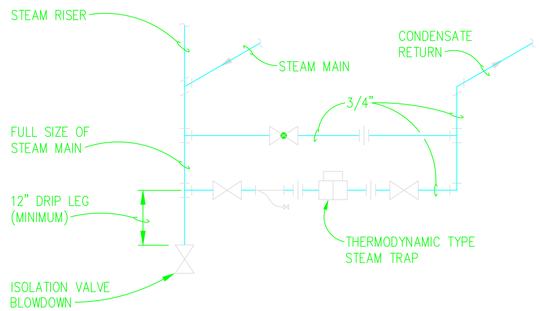
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385644
SHEET 98 OF

M401



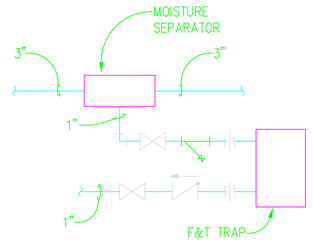
STEAM PRESSURE REDUCING VALVE DETAIL 1 M402

NOT TO SCALE



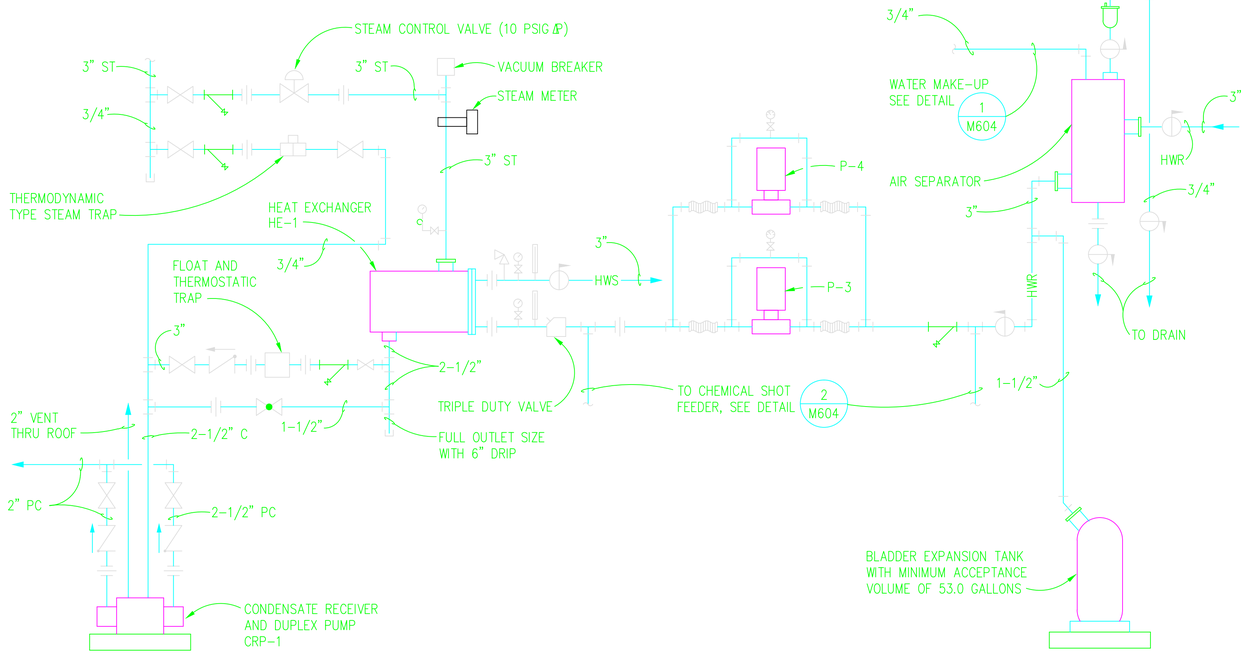
END OF MAIN DRIP DETAIL 2 M402

NOT TO SCALE



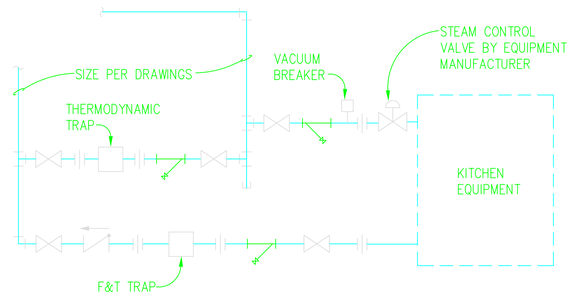
MOISTURE SEPARATOR DETAIL 4 M402

NOT TO SCALE



STEAM/HOT WATER PIPING SCHEMATIC 3 M402

NOT TO SCALE



KITCHEN EQUIPMENT CONNECTION DETIAL 5 M402

NOT TO SCALE

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M04 (PS2)

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSSM LEHOSIT SUPV VAN WAGENEN CH ENGR RUTH
DRAWN BY PMAZZARELLA-HK CHK'D BY
SUBMITTED BY (PWR MEMBER-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd
	ASBUILT			

SUMTER, S.C.

DINING FACILITY

STEAM/HOT WATER PIPING SCHEMATIC

APPROVED DATE

EFD FOR COMMANDER, NAVFAC

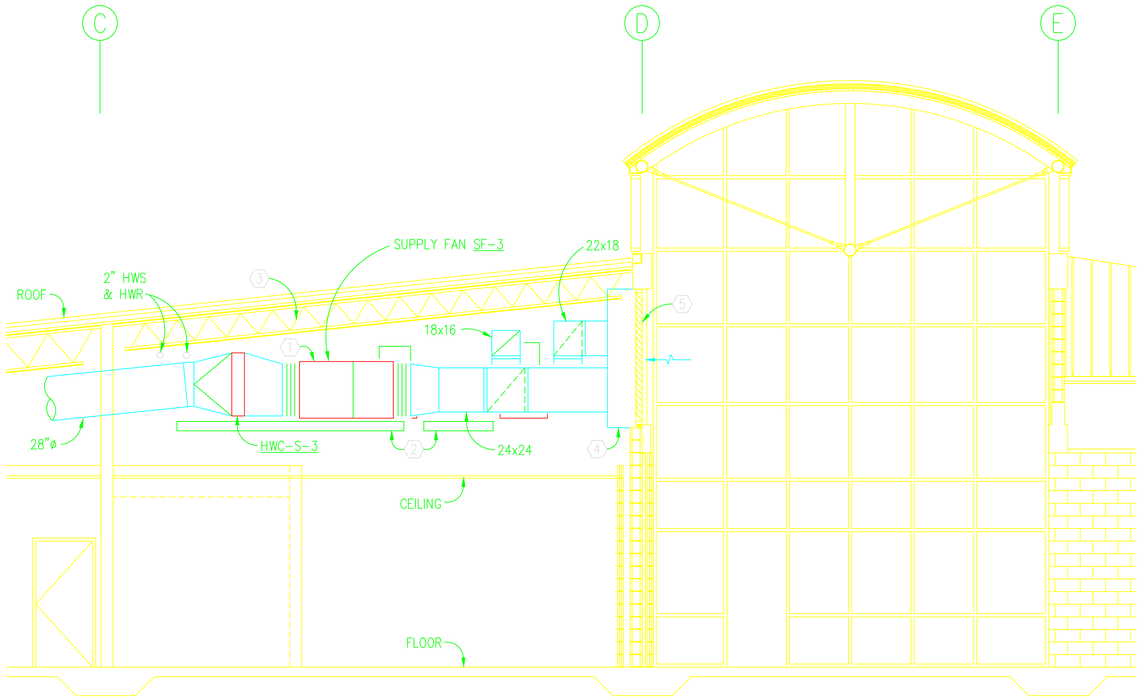
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385645
SHEET 99 OF

M402

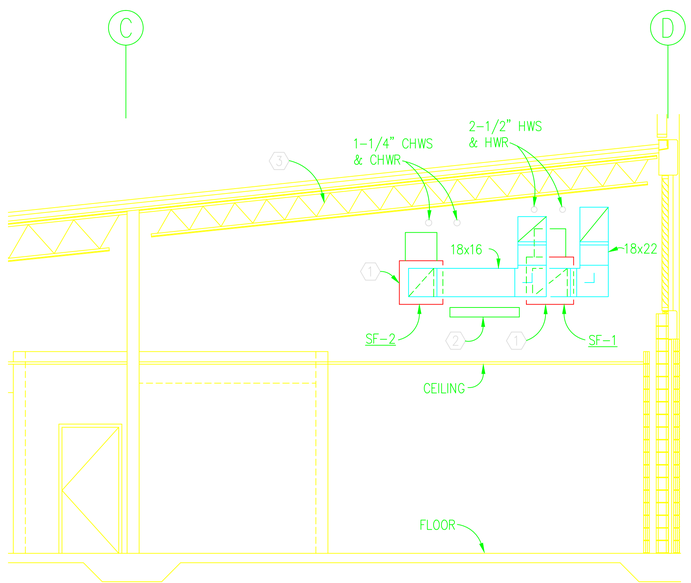


SECTION 1 M501
SCALE: 1/4"=1'-0"

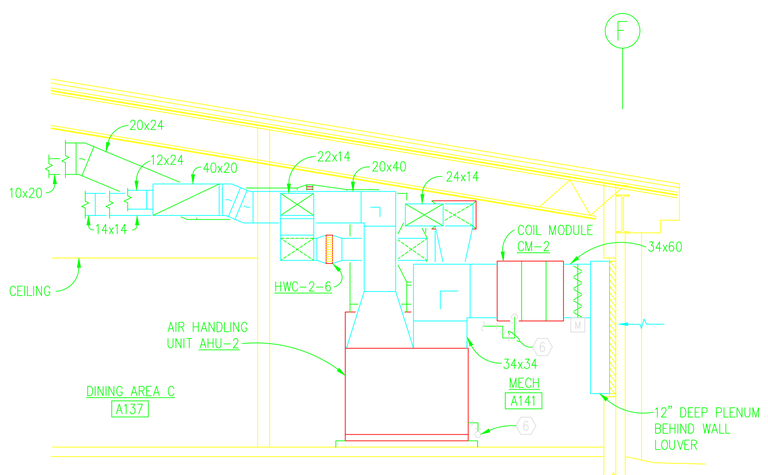
NOTES

1. SUPPORT FAN FROM BUILDING STRUCTURE WITH THREADED ROD AND SPRING TYPE VIBRATION ISOLATORS. PROVIDE FLEXIBLE DUCTWORK CONNECTIONS.
2. SERVICE PLATFORM, REFER TO THE ARCHITECTURAL DRAWINGS FOR REQUIREMENTS.
3. ROOF STRUCTURE, REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
4. OUTSIDE AIR PLENUM BEHIND WALL LOUVER.
5. WALL LOUVER, REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
6. ROUTE 1-1/4 INCH TRAPPED CONDENSATE DRAIN PIPING FROM COOLING COIL TO FLOOR DRAIN.

REF# 50161



SECTION 2 M501
SCALE: 1/4"=1'-0"



SECTION 3 M501
SCALE: 1/4"=1'-0"

GRAPHIC SCALE
1/4" = 1'-0"
4' 2' 0 4' 8'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M12(PS2)

DESIGNER OF RECORD
KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (PRINT NAME-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approvd
	ASBUILT			

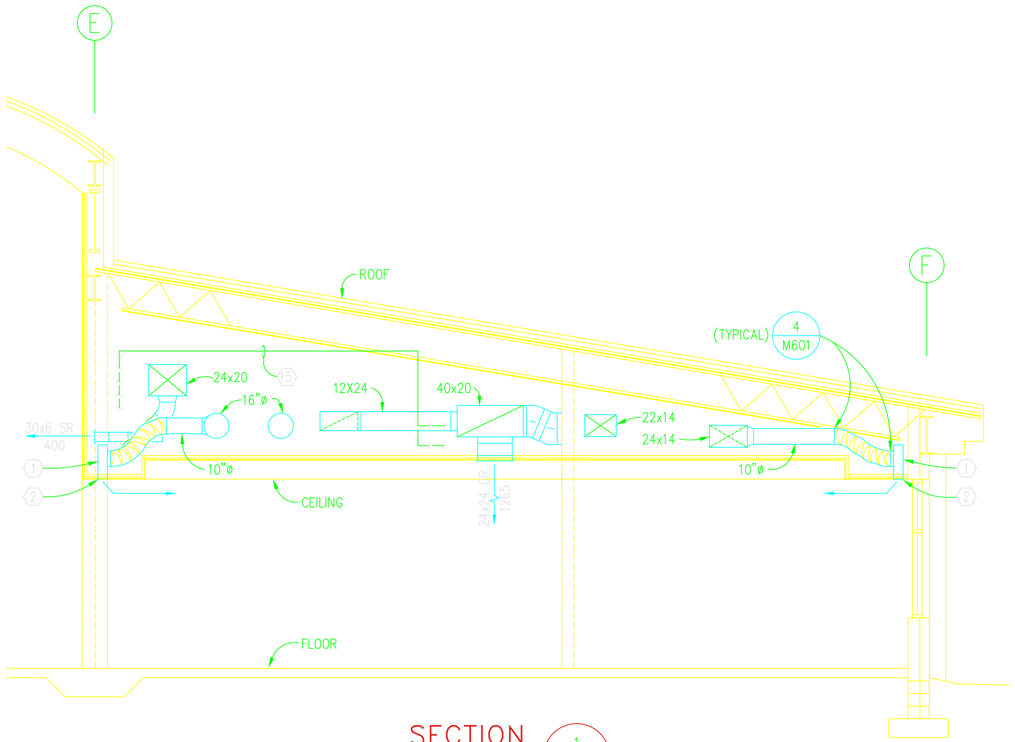
SUMTER, S.C.
SHAW AIR FORCE BASE
DINING FACILITY
MECHANICAL SECTIONS
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

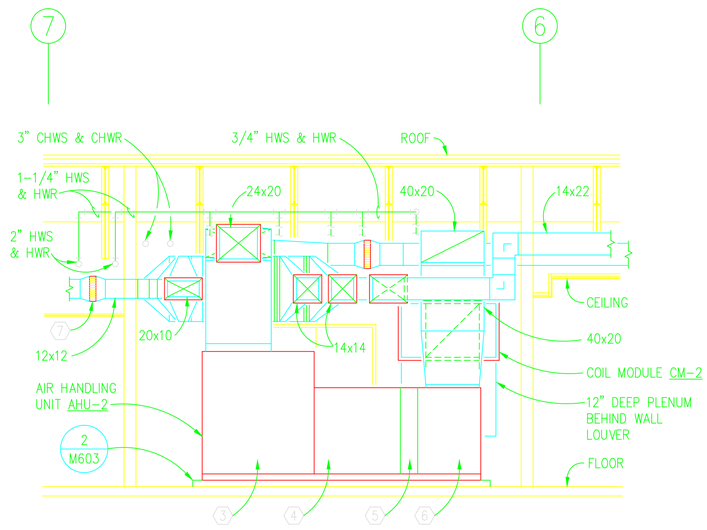
SEAL AREA

RECORD DRAWING DATE

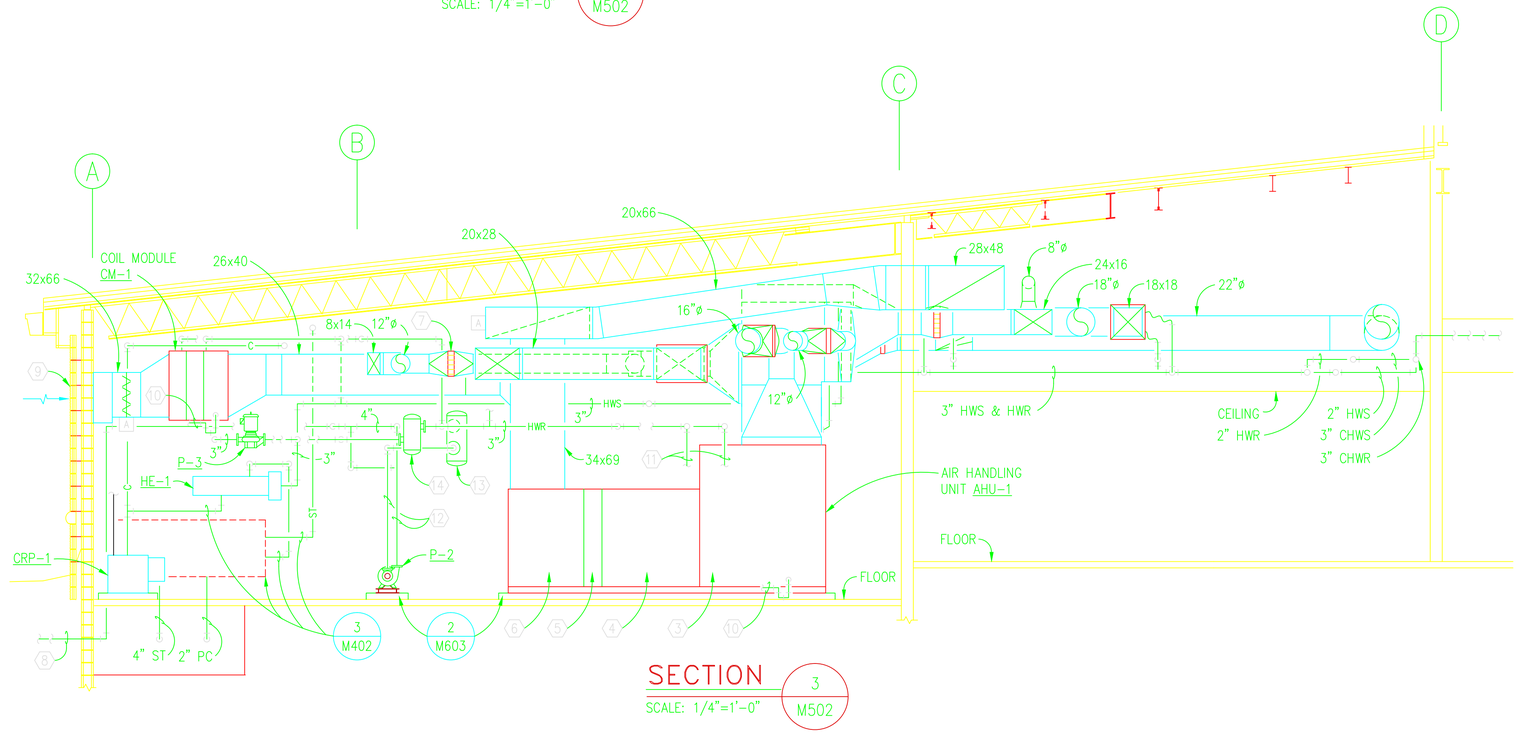
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO.
N62467-00-C-0397
NAVFAC DRAWING NO.
5385646
SHEET 100 OF
M501



SECTION 1 M502
SCALE: 1/4"=1'-0"



SECTION 2 M502
SCALE: 1/4"=1'-0"



SECTION 3 M502
SCALE: 1/4"=1'-0"

NOTES

1. INSULATED SUPPLY PLENUM FOR LINEAR SLOT DIFFUSER.
2. CONTINUOUS LINEAR SLOT SUPPLY AIR DIFFUSER REFER TO FLOOR PLAN FOR REQUIREMENTS.
3. MULTIZONE/BYPASS SECTION OF AIR HANDLING UNIT.
4. FAN SECTION OF AIR HANDLING UNIT.
5. FILTER SECTION OF AIR HANDLING UNIT.
6. MIXING BOX SECTION OF AIR HANDLING UNIT, BLANK OFF UNUSED OPENINGS WITH INSULATED SHEET METAL PANEL.
7. DUCT MOUNTED HOT WATER COIL REFER TO PIPING PLAN FOR REQUIREMENTS.
8. UNDERGROUND 4 INCH CHWS AND CHWR.
9. 32"X96" WALL LOUVER, REFER TO ARCHITECTURAL DRAWINGS.
10. ROUTE 1-1/4 INCH TRAPPED CONDENSATE DRAIN PIPING FROM COOLING COIL TO FLOOR DRAIN.
11. 2-1/2 INCH CHWS AND CHWR TO AHU-1 REFER TO COIL PIPING DETAIL 1 ON SHEET M602.
12. 4 INCH CHWR PIPING REFER TO CHILLED WATER SYSTEM FLOW DIAGRAM 1 ON SHEET M401.
13. CHILLED WATER SYSTEM AIR SEPARATOR.
14. HOT WATER SYSTEM AIR SEPARATOR.
15. 3 INCH CHWS AND CHWR, AND 2 INCH HWS AND HWR (BEYOND).

REF# 50162

GRAPHIC SCALE
1/4" = 1'-0"
4' 2' 0 4' 8'

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M12(PS1)

DESIGNER OF RECORD
KBJ Architects, Inc. AAC000001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMAS CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY OTHER NUMBER-TITLED DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approvd
	ASBUILT			

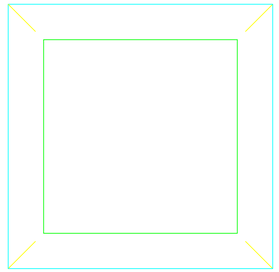
SHAW AIR FORCE BASE
SUMTER, S.C.
DINING FACILITY
MECHANICAL SECTIONS
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

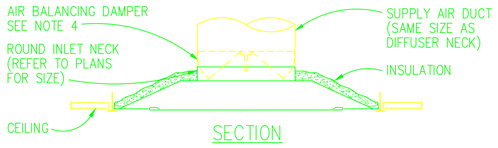
SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385647
SHEET 101 OF
M502



FACE VIEW



SECTION

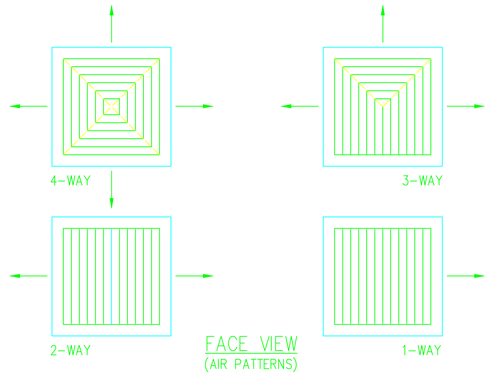
NOTES

1. FULL FACE WITH LAY-IN FRAME FOR 24"x 24" CEILING MODULE.
2. REMOVABLE FACE PANEL FOR ACCESS TO BALANCING DAMPER.
3. DISCHARGE SHALL BE UNIFORM 360° HORIZONTAL PATTERN.
4. AN AIR BALANCING DAMPER MAY BE OMITTED FROM A SUPPLY DIFFUSER WHEN AN ACCESSIBLE BALANCING DAMPER IS PROVIDED IN THE BRANCH DUCT SERVING THE DIFFUSER.
5. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING SYSTEM DETAILS.

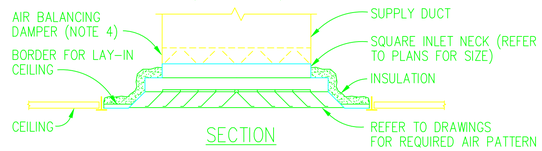
TYPE "A" SUPPLY AIR DIFFUSER DETAIL

1 / M601

NOT TO SCALE



FACE VIEW
(AIR PATTERNS)



SECTION

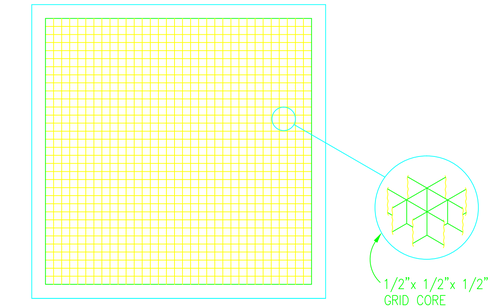
NOTES

1. LAY-IN PANEL MOUNTED FOR 24"x 24" CEILING MODULE.
2. REMOVABLE CORE.
3. AIR BALANCING DAMPER ADJUSTABLE FROM DIFFUSER FACE.
4. AN AIR BALANCING DAMPER MAY BE OMITTED FROM A SUPPLY DIFFUSER WHEN AN ACCESSIBLE BALANCING DAMPER IS PROVIDED IN THE BRANCH DUCT SERVING THE DIFFUSER.
5. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING SYSTEM DETAILS.

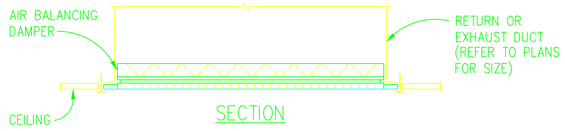
TYPE "B" SUPPLY AIR DIFFUSER DETAIL

2 / M601

NOT TO SCALE



FACE VIEW



SECTION

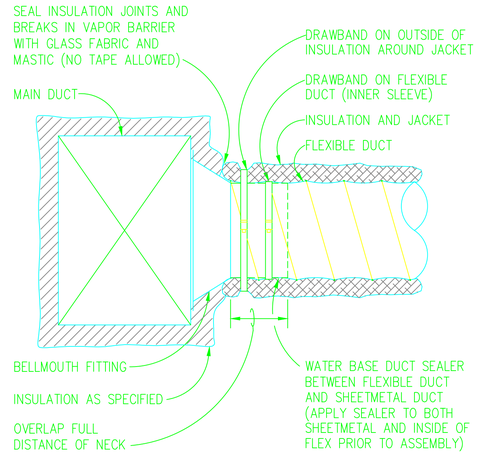
NOTES

1. FULL FACE WITH LAY-IN FRAME.
2. VOLUME DAMPER ADJUSTABLE WITHOUT REMOVING GRID CORE.
3. SIZE VARIES, REFER TO PLANS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING SYSTEM DETAILS.
5. TYPR "D" GRILLE SIMILAR EXCEPT PROVIDE WITHOUT BALANCING DAMPER, PROVIDE WITH 24" x 24" FRAME FOR LAY-IN CEILING.
6. TYPE "E" REGISTER SIMILAR EXCEPT PROVIDE WITH 12" x 12" FRAME.

TYPE "CR" RETURN/EXHAUST AIR REGISTER DETAIL

3 / M601

NOT TO SCALE



NOTES

1. TYPICAL FOR: CONNECTION TO MAIN DUCT AND DIFFUSERS.
2. FLEXIBLE DUCT LENGTH SHALL BE 4'-0" MAXIMUM.

FLEXIBLE DUCT TERMINATION DETAIL

4 / M601

NOT TO SCALE

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M05 (PS2)

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSSM LEHOSIT PMAZZARELLA/HK LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (FSM MEMBER-TITLED) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev	Description	Prep By	Date	Approd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL DETAILS

DATE

APPROVED

EFD FOR COMMANDER, NAVFAC

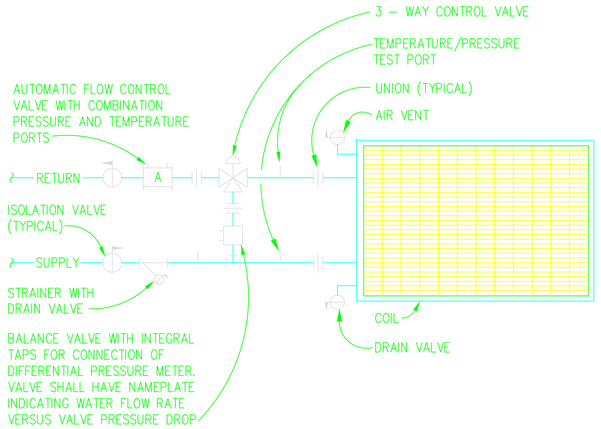
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385648
SHEET 102 OF

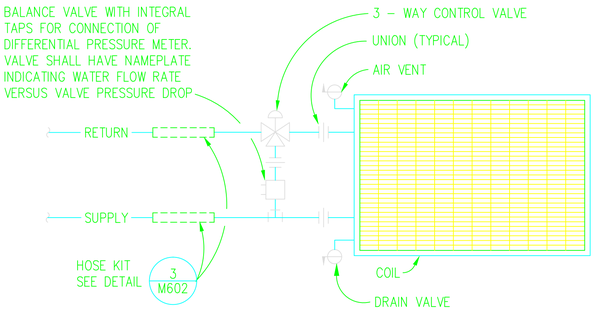
M601



COIL PIPING DETAIL 1

NOT TO SCALE

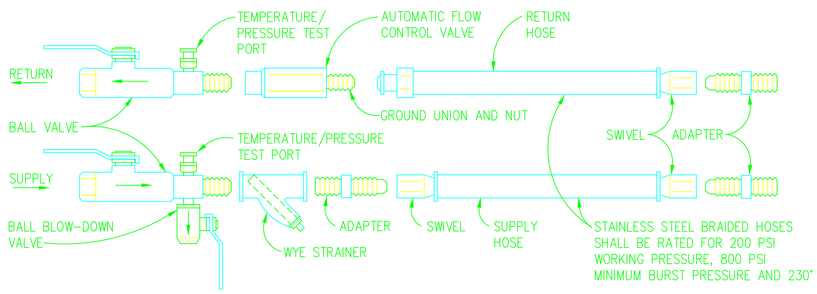
M602



COIL PIPING DETAIL 2

NOT TO SCALE

M602



SELF–BALANCING HOSE KIT SIZING SCHEDULE

HOSE SIZE	MAXIMUM FLOW RATE (GPM)
1/2"	2.0
3/4"	5.75
1"	9.0
1 1/4"	14.75

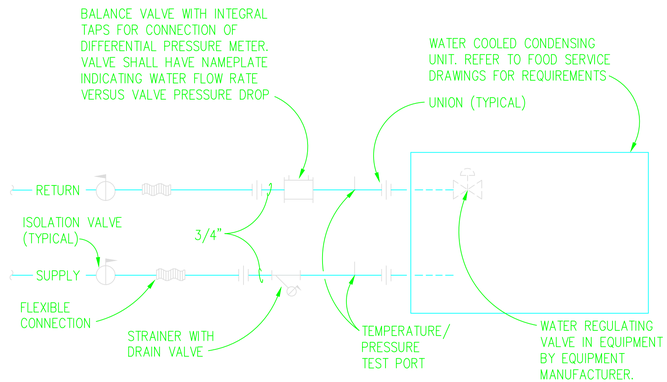
NOTES

1. PROVIDE PERMANENT TAG FOR AUTOMATIC FLOW CONTROL VALVE.
2. REFER TO COIL SCHEDULE FOR FLOW RATES.
3. MAXIMUM PRESSURE DROP THRU HOSE KIT SHALL NOT EXCEED 5 P.S.I.

SELF BALANCING HOSE KIT DETAIL 3

NOT TO SCALE

M602



COIL PIPING DETAIL 4

NOT TO SCALE

M602

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M05 (PS3)

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSSM LEHOSIT PMAZZARELLA CHK LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (PRINT NAME-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL DETAILS

DATE

EFD FOR COMMANDER, NAVFAC

APPROVED

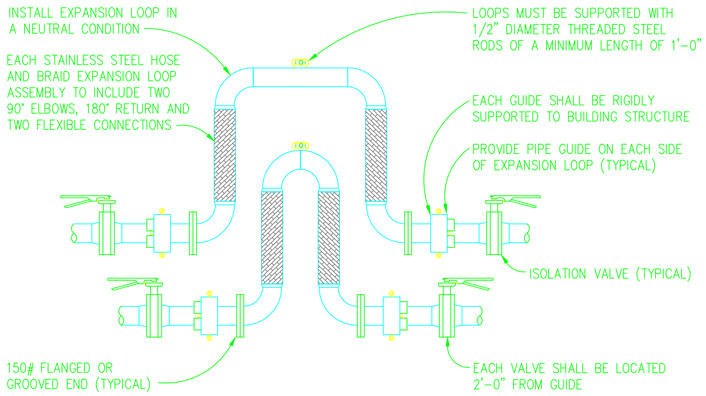
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385649
SHEET 103 OF

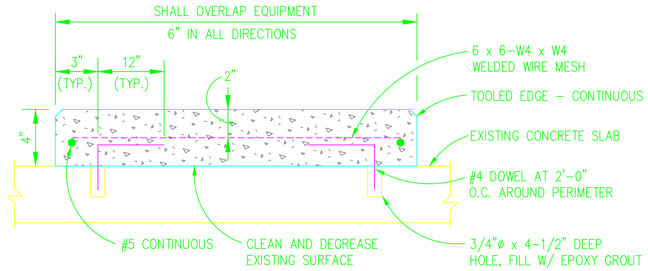
M602



NESTED PIPE EXPANSION COMPENSATOR DETAIL

1 / M603

NOT TO SCALE



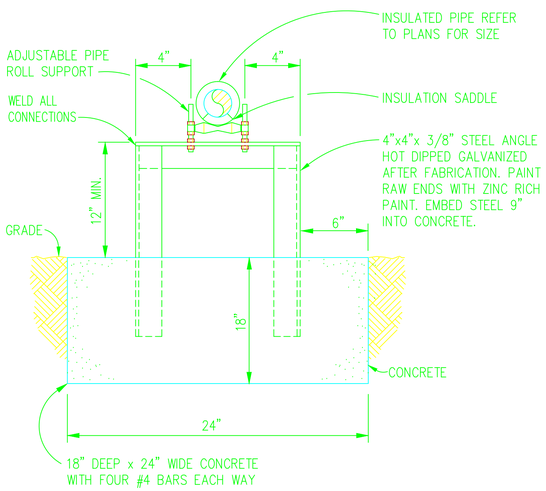
NOTE

FOR EQUIPMENT INSIDE BUILDING.

HOUSEKEEPING PAD DETAIL

2 / M603

NOT TO SCALE



NOTE

ALL STEEL PIPE SUPPORT MATERIALS AND HARDWARE SHALL BE GALVANIZED.

PIPE SUPPORT DETAIL

3 / M603

NOT TO SCALE

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M05 (PS1)

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT PMAZZARELLA CHK LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (PRM NUMBER-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev	Description	Prep By	Date	Approvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL DETAILS

DATE
EFD FOR COMMANDER, NAVFAC
APPROVED

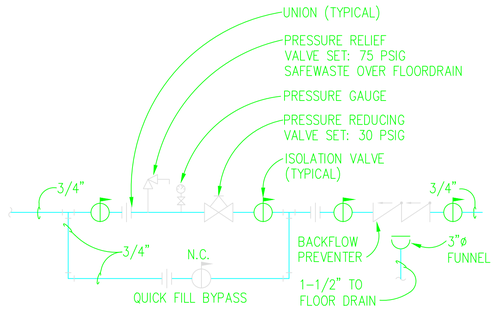
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385650
SHEET	104 OF

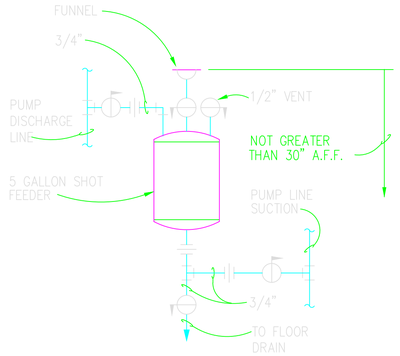
M603



MAKE-UP WATER ASSEMBLY DETAIL

NOT TO SCALE

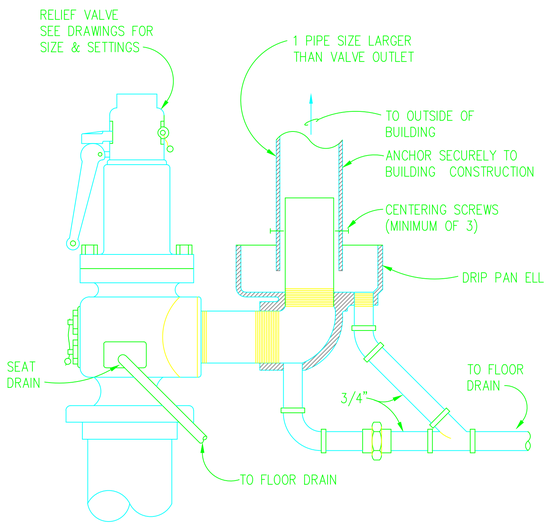
1 / M604



CHEMICAL SHOT FEEDER DETAIL

NOT TO SCALE

2 / M604



RELIEF VALVE PIPING DETAIL

NOT TO SCALE

3 / M604

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M04 (PS1)

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT CHK MAZZARELLA CH ENGR RUTH
SUPV VAN WAGENEN
SUBMITTED BY (FSW MEMBER-TITLE)
DATE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd
	ASBUILT			

TECHNICAL BRANCH
FPE

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL DETAILS

DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

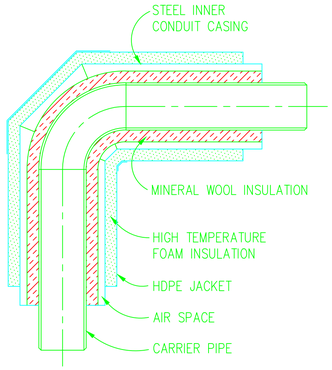
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385651
SHEET 105 OF

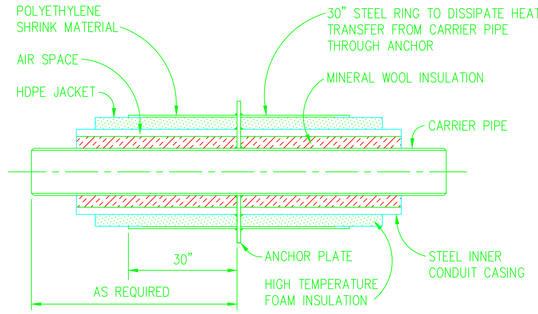
M604



TYPICAL ELBOW DETAIL

NOT TO SCALE

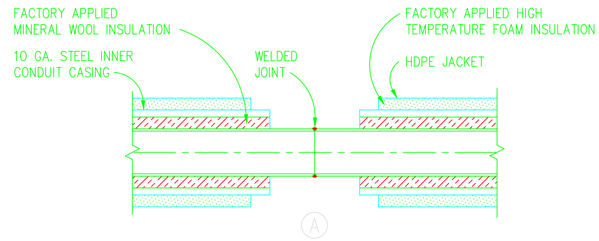
1 / M605

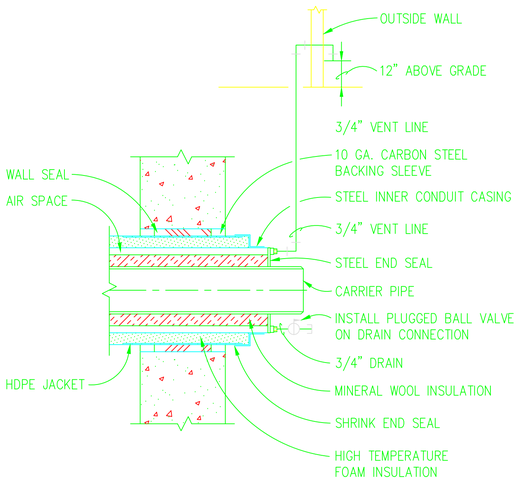


TYPICAL ANCHOR DETAIL

NOT TO SCALE

2 / M605

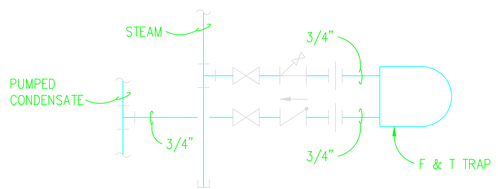




TYPICAL END SEAL DETAIL

NOT TO SCALE

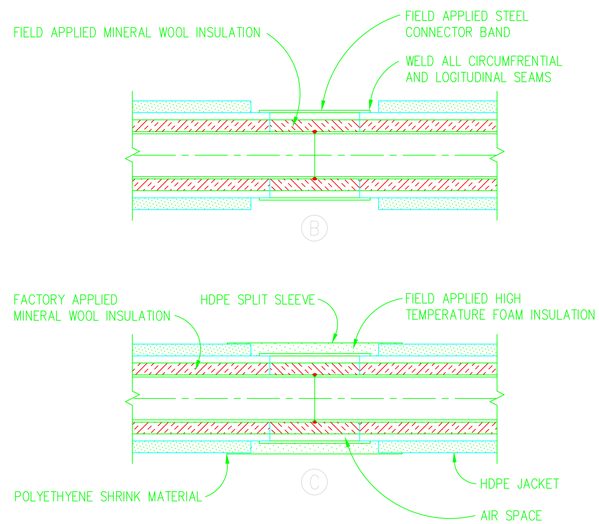
3 / M605



DRIP DETAIL

NOT TO SCALE

4 / M605



TYPICAL FIELD JOINT DETAIL

NOT TO SCALE

5 / M605

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M20

DESIGNER OF RECORD
KBJ Architects, Inc. AAC000011
510 North Julia Street
Jacksonville, Florida 32202

DSN/VAN WAGENEN/THOMAS CHK LEHOSIT
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY (FSM NUMBER-TITLE) DATE
TECHNICAL BRANCH
FPE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Approd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL DETAILS

EFD FOR COMMANDER, NAVFAC
DATE
APPROVED

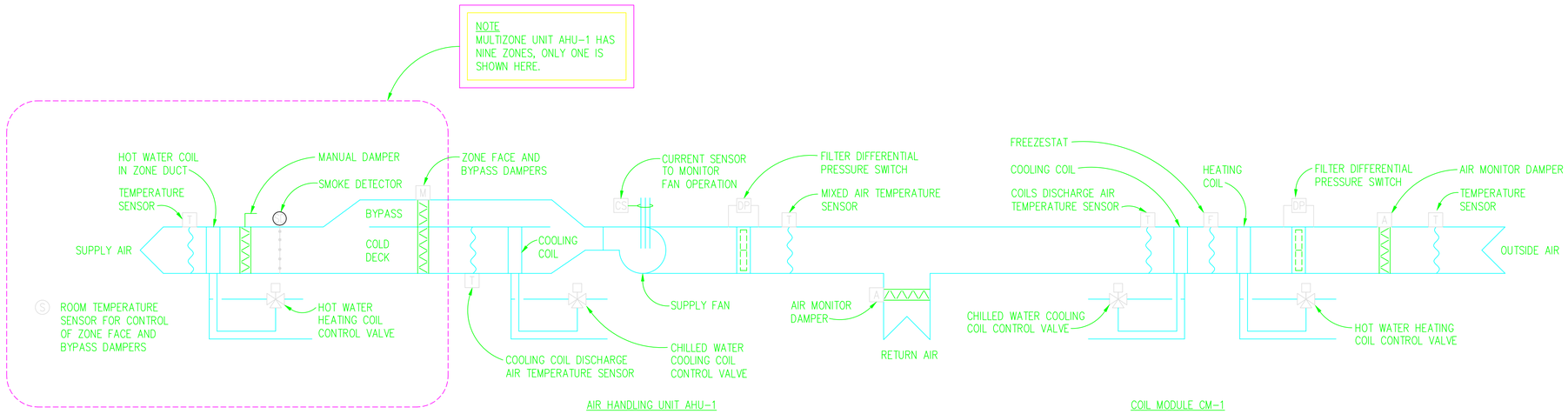
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

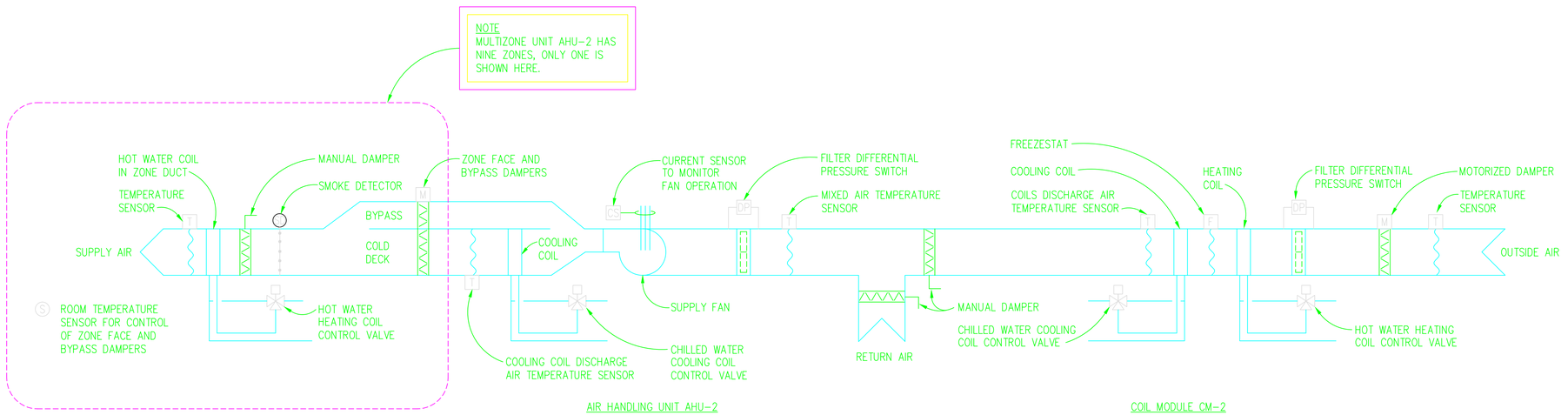
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385652
SHEET 106 OF –

M605



MULTIZONE AIR HANDLING UNIT SCHEMATIC

NOT TO SCALE



MULTIZONE AIR HANDLING UNIT SCHEMATIC

NOT TO SCALE

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M22

Xref G:\99010\WSEAL.dwg

DESIGNER OF RECORD
KBJ Architects, Inc. AAC000011
310 North Julia Street
Jacksonville, Florida 32202

DESIGN LEHOSIT | CH ENGR | DATE
SUPV VAN WAGENEN | SUBMITTED BY DON ROBERTELO
DRAWN LEHOSIT | TECHNICAL BRANCH
CHK'D MAZZARELLA | RUTH | PPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Apprvd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

CONTROL DIAGRAMS

DATE | APPROVED | CFS FOR COMMANDER, NAVFAC

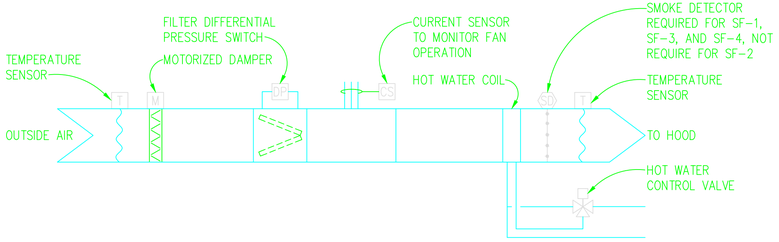
Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385653
SHEET 107 OF

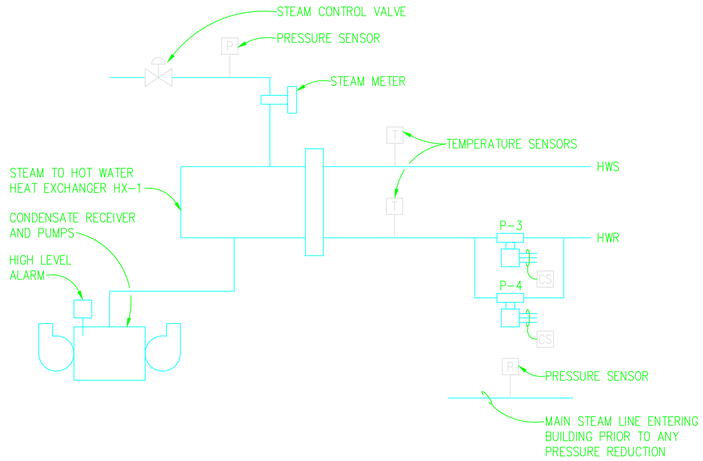
M606



NOTE: TYPICAL FOR SF-1, SF-2, SF-3, AND SF-4.

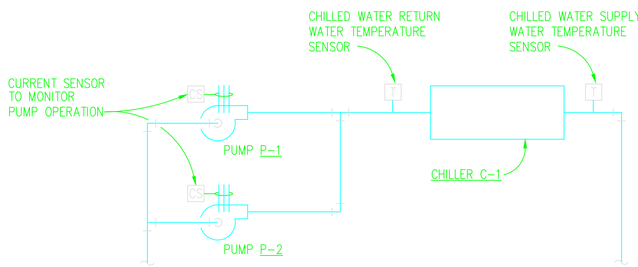
KITCHEN HOOD SYPPLY FANS

NOT TO SCALE

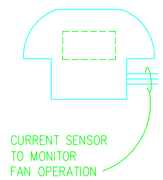


STEAM/HOT WATER SYSTEM SCHEMATIC

NOT TO SCALE



CHILLED WATER SYSTEM

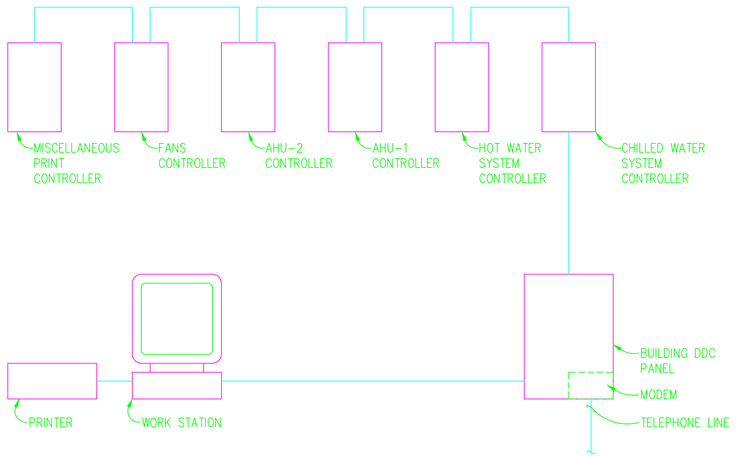


NOTES:
1. TYPICAL FOR TEN.
2. SOME FANS ARE UPBLAST TYPE.

EXHAUST FAN

CONTROL SCHEMATICS

NOT TO SCALE



DDC SYSTEM ARCHITECTURE

NOT TO SCALE

99010M23

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

Xref G:\99010\WSEAL.dwg

DESIGNER OF RECORD
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DESIGN LEHOSIT | CH ENGR RUTH
SUPV VAN WAGENEN | DATE
SUBMITTED BY PCM: ROBERTFIELD
TECHNICAL BRANCH
PPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

CONTROL DIAGRAMS

DATE
CFS FOR COMMANDER, NAVFAC
APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385654
SHEET 108 OF

M607

SYSTEM POINTS LIST

SYSTEM POINT DESCRIPTION	ANALOG INPUTS													ANALOG OUTPUTS		BINARY INPUTS						BINARY OUTPUTS				SYSTEM FEATURES ALARMS										SYSTEM FEATURES PROGRAMS															NOTES
	TEMPERATURE	PRESSURE	RELATIVE HUMIDITY	KW	KWH	BTUH	GPM	% OPEN	CFM	PERCENT	PERCENT LOAD	FLOW, LBS/HR	STEAM USE, LB	4120 MA (DDC)	SET POINT ADJ	ON/OFF STATUS	FILTER STATUS	STATUS OPEN/CLOSED	TIMED OVERRIDE	NO. OF STARTS	VIBRATION	START/STOP	OPEN/CLOSE	LOCK OUT	ENABLE/DISABLE	RESET	HIGH ANALOG	LOW ANALOG	HIGH BINARY	LOW BINARY	COMM FAIL	SENSOR FAIL	FLOW FAIL	LATCHING ALARM (PROOF)	FEEDBACK	RUN TIME	TIMED SCHEDULING	OPTIMAL START/STOP	DEMAND LIMITING	DIAGNOSTICS	RESET	EVENT INTERLOCKING	DDC CONTROL	ALARM INSTRUCTIONS	MAINTENANCE INSTR.	NIGHT SET/UP/BACK	NIGHT PURGE	TOTALIZING	TENANT BILLING	GRAPHICS SCREEN	GRAPHICS POINTS	
CHILLER																X									X										X						X	X	X				X	X	MONITOR POINTS FROM CHILLER CONTROL PANEL
CHWS	X																									X	X			X																		X	X	
CHWR	X																									X	X			X																		X	X	
CHILLED WATER PUMPS																X						X							X		X				X						X						X	X	P-1 AND P-2
STEAM/HOT WATER SYSTEM																																											X	X				X	X	
HWS	X																									X	X			X																		X	X	
HWR	X																									X	X			X																		X	X	
HOT WATER PUMPS																X						X							X		X				X						X						X	X	P-3 AND P-4
STEAM		X										X	X																																			X	X	
STEAM CONTROL VALVE								X						X																	X																		X	X	
CONDENSATE RECEIVER HIGH LEVEL																												X														X	X				X	X	
MULTIZONE AIR HANDLING UNIT																															X				X							X	X	X						AHU-1
OUTSIDE AIR	X																									X	X			X																		X	X	
OA AIR MONITOR DAMPER								X	X					X				X					X																									X	X	
FILTER																	X												X															X	X			X	X	CM-1
HOT WATER CONTROL VALVE								X						X				X					X																									X	X	CM-1
FREEZESTAT	X																													X		X											X	X				X	X	CM-1
CHILLED WATER CONTROL VALVE								X						X																																		X	X	CM-1
COILS DISCHARGE AIR	X														X													X	X			X																X	X	CM-1
RA AIR MONITOR DAMPER								X	X					X				X					X																									X	X	
MIXED AIR	X																									X	X			X																		X	X	
FILTER																	X												X															X	X			X	X	
ZONE FACE AND BYPASS DAMPERS								X						X				X					X																									X	X	ONE FOR EACH ZONE
CHILLED WATER CONTROL VALVE								X						X																																		X	X	
COOLING COIL DISCHARGE AIR	X														X													X	X			X																X	X	
SUPPLY FAN																X				X		X											X										X	X				X	X	
ZONE ROOM	X														X													X	X			X																		X	X	ONE FOR EACH ZONE
ZONE HOT WATER CONTROL VALVE								X						X																																		X	X	ONE FOR EACH ZONE
ZONE SUPPLY AIR	X																									X	X			X																		X	X	ONE FOR EACH ZONE
MULTIZONE AIR HANDLING UNIT																															X				X							X	X	X						AHU-2
OUTSIDE AIR	X																									X	X			X																		X	X	
OA DAMPER								X										X					X																									X	X	
FILTER																	X												X															X	X			X	X	CM-2
HOT WATER CONTROL VALVE								X						X				X					X																									X	X	CM-2
FREEZESTAT	X																													X		X											X	X				X	X	CM-2
CHILLED WATER CONTROL VALVE								X						X																																		X	X	CM-2
COILS DISCHARGE AIR	X														X													X	X			X																X	X	CM-2
MIXED AIR	X																									X	X			X																		X	X	
FILTER																	X												X															X	X			X	X	
SUPPLY FAN																X				X		X											X										X	X				X	X	
CHILLED WATER CONTROL VALVE								X						X																																		X	X	
COOLING COIL DISCHARGE AIR	X														X													X	X																			X	X	
ZONE FACE AND BYPASS DAMPERS								X						X				X					X																									X	X	ONE FOR EACH ZONE
ZONE HOT WATER CONTROL VALVE								X										X					X																									X	X	ONE FOR EACH ZONE
ZONE SUPPLY AIR	X																									X	X			X																		X	X	ONE FOR EACH ZONE
ZONE ROOM	X																									X	X			X																		X	X	ONE FOR EACH ZONE
KITCHEN HOOD SUPPLY FANS																															X											X								SF-1, SF-2, SF-3, AND SF-4
OUTSIDE AIR	X																									X	X			X																		X	X	
OUTSIDE AIR DAMPER								X										X					X																									X	X	
FILTER																	X												X															X	X			X	X	
FAN																X						X														X							X					X	X	
HOT WATER CONTROL VALVE								X						X				X					X																									X	X	
DISCHARGE AIR	X														X													X	X			X																X	X	
EXHAUST FANS																X				X		X											X		X							X		X			X	X	TYPICAL FOR 10
STEAM PIT HIGH WATER LEVEL																														X		X											X	X				X	X	

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

99010M24

DESIGNER OF RECORD
KBJ Architects, Inc. AAC000001
510 North Ashley Street
Jacksonville, Florida 32202

	DESIGN	LEHOSIT
	SUPV	VAN WAGENEN CH ENGR
	SUBMITTED BY FOR ROBERTSON	
	TECHNICAL BRANCH	
	PPE	

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approvd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

SYSTEM POINTS LIST

APPROVED

DATE

CO'S FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385655
SHEET 109 OF
M608

Xref G:\99010\WSEAL.dwg

SEQUENCE OF OPERATION

1. SCHEDULING OF EQUIPMENT: THE DDC CONTROL SYSTEM SHALL START AND STOP EACH ITEM OF EQUIPMENT ON A PRESET, USER DEFINED SCHEDULE. THE USER SHALL HAVE THE ABILITY TO SCHEDULE THE OPERATION OF EACH ITEM OF EQUIPMENT.

2. COOLING SYSTEM: THE CHILLED WATER SYSTEM SHALL BE ENABLED AND DISABLED BY THE DDC CONTROL SYSTEM. ANYTIME THERE IS A NEED FOR COOLING, WHEN SIGNALED BY THE DDC CONTROL SYSTEM, CHILLED WATER PUMP P-1 OR P-2 SHALL BE STARTED AND ONCE FLOW IS PROVEN, THE CHILLER C-1 SHALL BE ALLOWED TO START. EITHER P-1 OR P-2 SHALL BE ABLE TO SERVE AS THE LEAD PUMP WITH THE SECOND PUMP SERVING AS STANDBY. THE LEAD-LAG FUNCTION OF THE PUMPS MAY EITHER BE ALTERNATED ON A TIMED OR MANUAL BASIS AS DESIRED BY THE USER. CHILLER C-1 SHALL RUN UNDER ITS OWN PACKAGED CONTROLS AND MAINTAIN A CHILLED WATER SUPPLY TEMPERATURE OF 44°F (ADJUSTABLE).

3. HEATING SYSTEM: THE STEAM/HOT WATER SYSTEM SHALL BE ENABLED AND DISABLED BY THE DDC CONTROL SYSTEM. ANYTIME THERE IS A NEED FOR COOLING, WHEN SIGNALED BY THE DDC CONTROL SYSTEM, HOT WATER PUMP P-3 OR P-4 SHALL BE STARTED. EITHER P-3 OR P-4 SHALL BE ABLE TO SERVE AS THE LEAD PUMP WITH THE SECOND PUMP SERVING AS STANDBY. THE BUILDING WILL BE HEATED UTILIZING HOT WATER PRODUCED BY A STEAM TO HOT WATER HEAT EXCHANGER. (STEAM WILL BE PROVIDED FROM THE BASE STEAM SYSTEM.) THE STEAM CONTROL VALVE SHALL BE MODULATED TO MAINTAIN A HOT WATER SUPPLY TEMPERATURE AS DEFINED BY THE FOLLOWING RESET SCHEDULE. ALL TEMPERATURES SHALL BE ADJUSTABLE. THE RESET SCHEDULE SHALL BE LINEAR BETWEEN THE FOLLOWING TWO POINTS: PROVIDE 180°F HOT WATER SUPPLY TEMPERATURE WHEN THE OUTSIDE AIR TEMPERATURE IS 25°F AND PROVIDE 120°F HOT WATER SUPPLY TEMPERATURE WHEN THE OUTSIDE AIR TEMPERATURE IS 60°F.

4. KITCHEN HOOD SUPPLY FANS: THE KITCHEN HOOD SUPPLY FANS SHALL BE INTERLOCKED WITH THEIR RESPECTIVE KITCHEN HOOD EXHAUST FAN, I.E. SF-1/EF-7, SF-2/EF-8, SF-3/EF-9, AND SF-4/EF-10. THE FANS WILL BE ENERGIZED AT THE HOOD CONTROL PANELS. THE OUTSIDE AIR DAMPER SHALL BE OPENED AND PROVED OPEN PRIOR TO THE FANS BEING ALLOWED TO START. WHEN OPERATING A DISCHARGE AIR CONTROLLER SHALL MODULATE THE HOT WATER CONTROL VALVE TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF 68°F (ADJUSTABLE). SHOULD THE SMOKE DETECTOR IN THE DISCHARGE OF SF-1, SF-3 AND SF-4 SENSE SMOKE, THE FIRE ALARM SYSTEM SHALL BE SIGNALED AND THE FAN MAY BE SHUTDOWN THROUGH A FIRE ALARM SHUTDOWN RELAY.

5. EXHAUST FANS (OTHER THAN KITCHEN HOOD EXHAUST FANS): THESE FANS SHALL RUN CONTINUOUSLY WHEN AHU-1 AND AHUI-2 ARE OPERATING. (IT IS EXPECTED THAT THESE FANS WILL RUN CONTINUOUSLY.)

6. MULTIZONE AIR HANDLING UNIT AHU-1 AND OUTSIDE AIR COIL MODULE CM-1: WHEN SIGNALED BY THE DDC CONTROL SYSTEM, THE FAN SHALL START. EACH ZONE SHALL HAVE A SPACE TEMPERATURE SENSOR. THE SPACE TEMPERATURE SENSORS SHALL MODULATE MULTIZONE DAMPERS TO MAINTAIN SPACE TEMPERATURE SETPOINTS OF 76°F (ADJUSTABLE) FOR COOLING AND 68°F (ADJUSTABLE) FOR HEATING. SHOULD ZONE SPACE TEMPERATURE FALL TO A POINT WHERE HEATING IS REQUIRED, THE MULTIZONE DAMPERS SHALL OPEN TO FULL BYPASS POSITION AND THE HOT WATER VALVE ON THE DUCT MOUNTED COIL SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE OF 68°F (ADJUSTABLE) FOR HEATING. THE CHILLED WATER VALVE SHALL BE MODULATED TO MAINTAIN A COLD DECK TEMPERATURE OF 53°F (ADJUSTABLE). SHOULD ALL OF THE ZONES BE IN THE FULL BYPASS POSITION, I.E. ALL ZONE SPACE TEMPERATURES LESS THAN 68°F, THE CHILLED WATER VALVE SHALL BE IN THE BYPASS POSITION. SMOKE DETECTORS IN EACH ZONE SUPPLY DUCT SHALL SIGNAL THE FIRE ALARM SYSTEM IF THEY SENSE SMOKE. THE UNIT SHALL BE SHUTDOWN THROUGH A FIRE ALARM SHUTDOWN RELAY BY THE FIRE ALARM SYSTEM. ANYTIME THAT THE CONTROLS FOR AHU-1 ARE ENERGIZED, THE CONTROLS FOR OUTSIDE AIR COIL MODULE CM-1 SHALL ALSO BE ENERGIZED. THE OUTSIDE AIR MONITOR DAMPER SHALL BE OPENED. THE UNIT CONTROLLER SHALL MAINTAIN AN OUTSIDE AIR MODULE DISCHARGE AIR TEMPERATURE OF 55°F (ADJUSTABLE) BY MODULATING THE HOT WATER VALVE AND THE CHILLED WATER VALVE. (COOLING AND HEATING SHALL NOT OCCUR SIMULTANEOUSLY.) A MANUAL RESET LOW-LIMIT THERMOSTAT (SET 35°F) WITH A 20 FOOT ELEMENT FOR EACH 16 SQUARE FEET OF COIL AREA SHALL CLOSE THE OUTSIDE AIR MONITOR DAMPER AND FULLY OPEN THE RETURN AIR MONITOR DAMPER WHEN TRIPPED. THIS THERMOSTAT SHALL BE DOWNSTREAM OF THE HEATING COIL. OTHER THAN AS DESCRIBED ABOVE FOR A FREEZE SITUATION, THE OUTSIDE AIR AND RETURN AIR MONITOR DAMPERS SHALL BE CONTROLLED AS FOLLOWS. THE REQUIRED AIRFLOW RATES WILL VARY AS THE QUANTITY OF KITCHEN HOOD SUPPLY/EXHAUST FANS ARE ENERGIZED AND DEENERGIZED. WHEN ALL KITCHEN HOOD FANS, I.E. SF-1/EF-7, SF-2/EF-8, SF-3/EF-9, AND SF-4/EF-10 ARE OPERATING, THE OUTSIDE AIRFLOW RATE SHALL BE 6,230 CFM AND THE RETURN AIRFLOW RATE SHALL BE 8,670 CFM. SHOULD ALL THE KITCHEN HOOD FANS BE OFF, THE OUTSIDE AIRFLOW RATE SHALL BE 0 CFM AND THE RETURN AIRFLOW RATE SHALL BE 14,900 CFM. FOR ANY KITCHEN HOOD FANS OPERATION BETWEEN THE TWO EXTREMES DESCRIBED ABOVE, THE FOLLOWING AIR FLOW RATES SHALL BE ADDED TO THE RETURN AIRFLOW RATE AND SUBTRACTED FROM THE OUTSIDE AIRFLOW RATE AS SUPPLY/EXHAUST FAN COMBINATIONS ARE DEENERGIZED: SF-1/EF-7: 1,200 CFM, SF-2/EF-8: 750 CFM, SF-3/EF-9: 2,250 CFM, AND SF-4/EF-10: 2,250 CFM. THE RETURN AIRFLOW RATE SHALL BE DECREASED AND THE OUTSIDE AIRFLOW RATE SHALL BE INCREASED AS SUPPLY/EXHAUST FAN COMBINATIONS ARE ENERGIZED.

7. MULTIZONE AIR HANDLING UNIT AHU-2 AND OUTSIDE AIR COIL MODULE CM-2: WHEN SIGNALED BY THE DDC CONTROL SYSTEM, THE FAN SHALL START. EACH ZONE SHALL HAVE A SPACE TEMPERATURE SENSOR. THE SPACE TEMPERATURE SENSORS SHALL MODULATE MULTIZONE DAMPERS TO MAINTAIN SPACE TEMPERATURE SETPOINTS OF 76°F (ADJUSTABLE) FOR COOLING AND 68°F (ADJUSTABLE) FOR HEATING. SHOULD ZONE SPACE TEMPERATURE FALL TO A POINT WHERE HEATING IS REQUIRED, THE MULTIZONE DAMPERS SHALL OPEN TO FULL BYPASS POSITION AND THE HOT WATER VALVE ON THE DUCT MOUNTED COIL SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE OF 68°F (ADJUSTABLE) FOR HEATING. THE CHILLED WATER VALVE SHALL BE MODULATED TO MAINTAIN A COLD DECK TEMPERATURE OF 53°F (ADJUSTABLE). SHOULD ALL OF THE ZONES BE IN THE FULL BYPASS POSITION, I.E. ALL ZONE SPACE TEMPERATURES LESS THAN 68°F, THE CHILLED WATER VALVE SHALL BE IN THE BYPASS POSITION. SMOKE DETECTORS IN EACH ZONE SUPPLY DUCT SHALL SIGNAL THE FIRE ALARM SYSTEM IF THEY SENSE SMOKE. THE UNIT SHALL BE SHUTDOWN THROUGH A FIRE ALARM SHUTDOWN RELAY BY THE FIRE ALARM SYSTEM. ANYTIME THAT THE CONTROLS FOR AHU-2 ARE ENERGIZED, THE CONTROLS FOR OUTSIDE AIR COIL MODULE CM-2 SHALL ALSO BE ENERGIZED. THE OUTSIDE AIR DAMPER SHALL BE OPENED. THE UNIT CONTROLLER SHALL MAINTAIN AN OUTSIDE AIR MODULE DISCHARGE AIR TEMPERATURE OF 54°F (ADJUSTABLE) BY MODULATING THE HOT WATER VALVE AND THE CHILLED WATER VALVE. (COOLING AND HEATING SHALL NOT OCCUR SIMULTANEOUSLY.) A MANUAL RESET LOW-LIMIT THERMOSTAT (SET 35°F) WITH A 20 FOOT ELEMENT FOR EACH 16 SQUARE FEET OF COIL AREA SHALL CLOSE THE OUTSIDE AIR DAMPER WHEN TRIPPED. THIS THERMOSTAT SHALL BE DOWNSTREAM OF THE HEATING COIL.

REF #50097

99010M25

IF SHEET IS LESS THAN (22" x 34") IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.

Xref G:\99010\WSEAL.dwg

DESIGNER OF RECORD: KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DESIGN: LEHOSIT | CH ENGR: RUTH
SUPV: VAN WAGENEN | SUBMITTED BY PCM: ROBERTFIELD
DRAWN: JMAZZARELLA | DATE:
TECHNICAL BRANCH
PPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Approd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

SEQUENCE OF OPERATION

DATE:
APPROVED:
CFS FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385656
SHEET 110 OF

M609

NOTES FOR SHEET M201:

1. KITCHEN VENTILATION HOOD.
2. 24X10 SUPPLY DUCTWORK TO HOOD (TYPICAL).
3. TWO 30X10 DOWN TO EXHAUST CONNECTIONS ON HOOD AND UP TO EXHAUST FAN EF-9 ON ROOF.
4. TWO 30X10 DOWN TO EXHAUST CONNECTIONS ON HOOD AND UP TO EXHAUST FAN EF-10 ON ROOF.
5. CEILING MOUNTED SUPPLY AIR DIFFUSER 18X18 B, BALANCE FOR 600 CFM.
6. 24X24 CEILING MOUNTED AIR TRANSFER GRILLE TYPE D WITH 6 INCH DEEP PLENUM BEHIND GRILLE (TYPICAL).
7. 18X10 AIR TRANSFER DUCTWORK.
8. 12X8 AIR TRANSFER DUCTWORK.
9. 8 INCH ROUND SUPPLY AIR DUCTWORK.
10. 12X12 CEILING MOUNTED AIR TRANSFER GRILLE WITH 6 INCH DEEP PLENUM BEHIND GRILLE.
11. CEILING MOUNTED SUPPLY AIR DIFFUSER, 8 INCH ROUND "C", BALANCE FOR 175 CFM.
12. 12X6 EXHAUST DUCTWORK.
13. 12X12 CR WITH 6 INCH DEEP PLENUM BEHIND REGISTER, BALANCE FOR 90 CFM. ROUTE 6X6 EXHAUST DUCTWORK UP TO ROOF MOUNTED EXHAUST FAN EF-5.
14. 12X12 CR WITH 6 INCH DEEP PLENUM BEHIND REGISTER, BALANCE FOR 200 CFM. ROUTE 8X8 EXHAUST DUCTWORK UP TO ROOF MOUNTED EXHAUST FAN EF-4.
15. 16X12 EXHAUST DUCTWORK UP TO ROOF MOUNTED FAN EF-6.
16. 14X12 EXHAUST DUCTWORK UP TO ROOF MOUNTED FAN EF-3.
17. 12X12 CR BALANCE FOR 150 CFM.
18. 12X12 CR BALANCE FOR 200 CFM (TYPICAL OF FOUR).
19. 12X8 EXHAUST DUCTWORK.
20. 20X14 SUPPLY DUCTWORK.
21. DUCT MOUNTED HOT WATER COIL (TYPICAL).
22. 12X12 CR, BALANCE FOR 210 CFM (TYPICAL OF FOUR).
23. 12X10 EXHAUST DUCTWORK.
24. 12X30 SUPPLY DUCTWORK TO HOOD.
25. 32X10 EXHAUST DUCTWORK DOWN TO CONNECTION TO HOOD AND UP TO ROOF MOUNTED EXHAUST FAN EF-7.
26. 24X24 CR CEILING MOUNTED RETURN AIR REGISTER (TYPICAL OF FOUR). BALANCE RETURN AIR FOR 4200 CFM (TOTAL FOR ALL FOUR REGISTERS).
27. 24X24 CR CEILING MOUNTED RETURN AIR REGISTER. BALANCE RETURN AIR FOR 4005 CFM (TOTAL FOR ALL FOUR REGISTERS).
28. 10X18 SUPPLY DUCTWORK TO HOOD.
29. 10X20 EXHAUST DUCTWORK DOWN TO CONNECTION TO HOOD AND UP TO ROOF MOUNTED EXHAUST FAN EF-8.
30. WELDED STAINLESS STEEL EXHAUST DUCTWORK.
31. 14X14 EXHAUST DUCTWORK UP TO ROOF MOUNTED EXHAUST FAN EF-2.
32. 16X6 DOWN TO EXHAUST CONNECTION ON DISHWASHER. PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN VERTICAL.
33. 12X12 DOWN TO CONNECTION TO EXHAUST HOOD.
34. 18 INCH DEEP PLENUM BEHIND WALL LOUVER.
35. WALL LOUVER, REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
36. 12X12 UP TO ROOF MOUNTED EXHAUST FAN EF-1.
37. HANG FAN FROM BUILDING STRUCTURE WITH THREADED RODS AND SPRING TYPE VIBRATION ISOLATORS. PROVIDE FLEXIBLE DUCT CONNECTIONS. BOTTOM OF FAN SHALL BE 13'-2" ABOVE FINISHED FLOOR.
38. CEILING MOUNTED CONTINUOUS LINEAR SLOT DIFFUSER WITH 48 INCH LONG ACTIVE SUPPLY SECTIONS AS INDICATED. PROVIDE EXTRUDED ALUMINUM DIFFUSER WITH: THREE 3/4 INCH SLOTS, EACH SLOT SHALL HAVE INDIVIDUAL DIRECTION AND VOLUME CONTROL, CONCEALED FASTENERS, 1-1/8 INCH BORDER, AND ALIGNMENT PINS. BLANK-OFF NON-ACTIVE SECTIONS OF DIFFUSER WITH INSULATED SHEET METAL CAP. PROVIDE INSULATED SUPPLY AIR PLENUM FOR ACTIVE (SUPPLY) SECTIONS OF DIFFUSER. COORDINATE OVERALL DIFFUSER LENGTH WITH ARCHITECTURAL REFLECTED CEILING PLANS.
39. NON-ACTIVE SECTION OF CONTINUOUS LINEAR SLOT DIFFUSER SHALL MATCH ADJACENT ACTIVE (DUCTED) SECTIONS. REFER TO ABOVE NOTE 38 FOR ADDITIONAL REQUIREMENTS.
40. BALANCE DIFFUSER TO SUPPLY 240 CFM.
41. PROVIDE 4 INCH ROUND CLOTHES DRYER EXHAUST DUCTWORK UP THROUGH ROOF. TERMINATE EXHAUST DUCT 18 INCHES ABOVE ROOF WITH 90 DEGREE ELBOW. PROVIDE WALL TYPE CLOTHES DRYER VENT OUTLET WITH INTEGRAL BACKDRAFT DAMPER ON END OF 4 INCH ELBOW. PROVIDE INLINE TYPE CENTRIFUGAL BOOSTER FAN IN 4 INCH EXHAUST DUCTWORK. FAN SHALL BE U.L. RATED FOR INSTALLATION IN A CLOTHES DRYER EXHAUST DUCT. FAN SHALL EXHAUST 150 CFM. ELECTRICAL CHARACTERISTICS SHALL BE 120 VOLTS/1 PHASE. FAN SHALL BE ACTIVATED BY AN INTEGRAL PRESSURE SENSOR SWITCH. INSTALL FAN IN AN ACCESSIBLE LOCATION ABOVE CEILING. JOIN CLOTHES DRYER EXHAUST DUCT SECTIONS WITHOUT SCREWS. PAINT EXHAUST DUCTWORK EXPOSED ABOVE ROOF TO MATCH COLOR OF ROOF.

REF# 49110

DESIGNED BY: KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN LEHOSIT DR THOMPSON CHK GREEN
SUPV VAN WAGENEN CH ENGR RUTH
SUBMITTED BY FIRM NOW TITLED DATE
TECHNICAL BRANCH
PPE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Apprvd
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

MECHANICAL NOTES

DATE

APPROVED

EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SEAL AREA

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385657
SHEET 111 OF –

M610

GENERAL STRUCTURAL NOTES
A.E.S. #300-278 STEAM LINE

LOADS AND CRITERIA

1. LIVE LOADS:
   a. BAR GRATING. . . . . 40 PSF

FOUNDATIONS

200.1. NO BACKFILLING AGAINST FOUNDATION WALLS SHALL BE PERMITTED UNTIL SUPPORTING STRUCTURAL ELEMENTS HAVE BEEN PLACED AND HAVE BECOME CAPABLE OF FURNISHING THE NECESSARY SUPPORT FOR THE WALLS. PROVIDE TEMPORARY SHORING WHERE REQUIRED. CONTRACTOR SHALL USE EXTREME CAUTION DURING BACKFILLING TO PREVENT DAMAGE TO FOUNDATION WALLS. THE USE OF HEAVY EQUIPMENT FOR BACKFILLING IS NOT RECOMMENDED.

200.2. THE CONTRACTOR SHALL OBSERVE WATER CONDITIONS AT THE SITE AND TAKE THE NECESSARY PRECAUTIONS TO INSURE THAT THE FOUNDATION EXCAVATIONS REMAIN DRY DURING CONSTRUCTION. PROVIDE FOR DEWATERING AS NECESSARY.

REINFORCED CONCRETE

300.1. ALL REINFORCED CONCRETE WORK SHALL BE IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318, 99) AND SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301, LATEST EDITION) OF THE AMERICAN CONCRETE INSTITUTE.

300.2. MINIMUM F'c REQUIRED AT 28 DAYS: f'c = 4000 PSI

300.3. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE (144 PCF +) WITH ALL CEMENT CONFORMING TO ASTM C150, TYPE I. MAXIMUM AGGREGATE SIZE SHALL BE 1-1/2" FOR FOOTINGS AND 3/4" FOR WALLS, CONFORMING TO ASTM C33.

300.4. REINFORCEMENT
   a. DEFORMED BARS . . . . . .ASTM A615, GRADE 60

300.5. MINIMUM COVER FOR CAST-IN-PLACE CONCRETE REINF., UNLESS OTHERWISE SHOWN ON DRAWINGS, SHALL BE AS FOLLOWS:
FOOTINGS . . . .3"
WALLS . . . . . 1.5"

300.12. CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ETC., AS REQUIRED FOR MECHANICAL TRADES BEFORE CONCRETE IS PLACED.

CONCRETE ANCHORS

350.1. ALL HEADED CONCRETE ANCHORS SHALL BE NELSON 3/4 INCH DIAMETER X 4" INCH H4L ANCHORS WITH FLUXED ENDS AS MANUFACTURED BY NELSON STUD WELDING COMPANY, UNLESS THE SIZE IS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

350.2. ALL HEADED CONCRETE ANCHORS SHALL BE MANUFACTURED FROM MATERIAL WHICH CONFORMS TO ASTM A108 FOR LOW CARBON STEEL.

350.3. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH STRUCTURAL WELDING CODE ANSI/AWS D1.1-00 OF THE AMERICAN WELDING SOCIETY AND THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.

STRUCTURAL STEEL

510.1. ALL STRUCTURAL STEEL WORK SHALL BE IN ACCORDANCE WITH THE "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" (1993 EDITION) OF THE AISC.

510.2. GRADE OF STEEL
   a. W SHAPES ONLY . . . . . ASTM A992
   b. ALL OTHER MISC. ANGLE, PLATE, CHANNELS, ETC ASTM A36.

510.3. GALVANIZED STRUCTURAL STEEL
   a. STRUCTURAL SHAPES AND RODS. . . . . .ASTM A123.
   b. BOLTS, FASTENERS AND HARDWARE . . . . . .ASTM A153.

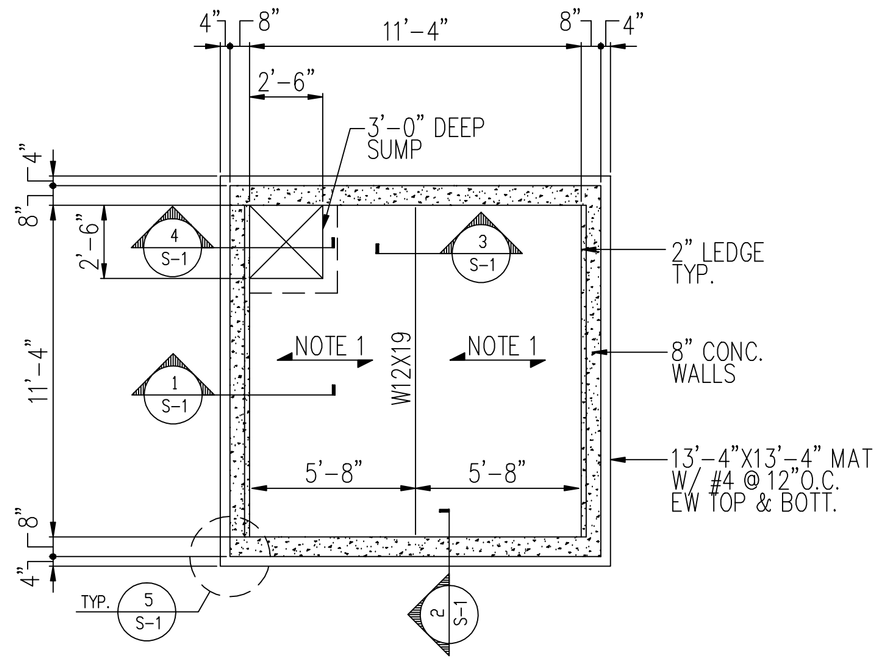
510.4. ALL WELDING SHALL BE IN ACCORDANCE WITH THE STRUCTURAL WELDING CODE, AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. ELECTRODES SHALL BE E70XX FOR MANUAL ARC WELDING AND F7X-EXXX FOR SUBMERGED ARC WELDING.

STEEL GRATE FLOORING

610.1. STEEL FLOOR GRATE SHALL BE CAPABLE OF SUPPORTING A 40 PSF SUPERIMPOSED LOAD AT THE INDICATED SPANS. THE DEFLECTION OF THE STEEL GRATE FLOOR UNDER THE ABOVE LOAD OR A 200# CONCENTRATED LOAD AT MIDSPAN SHALL NOT EXCEED L/240

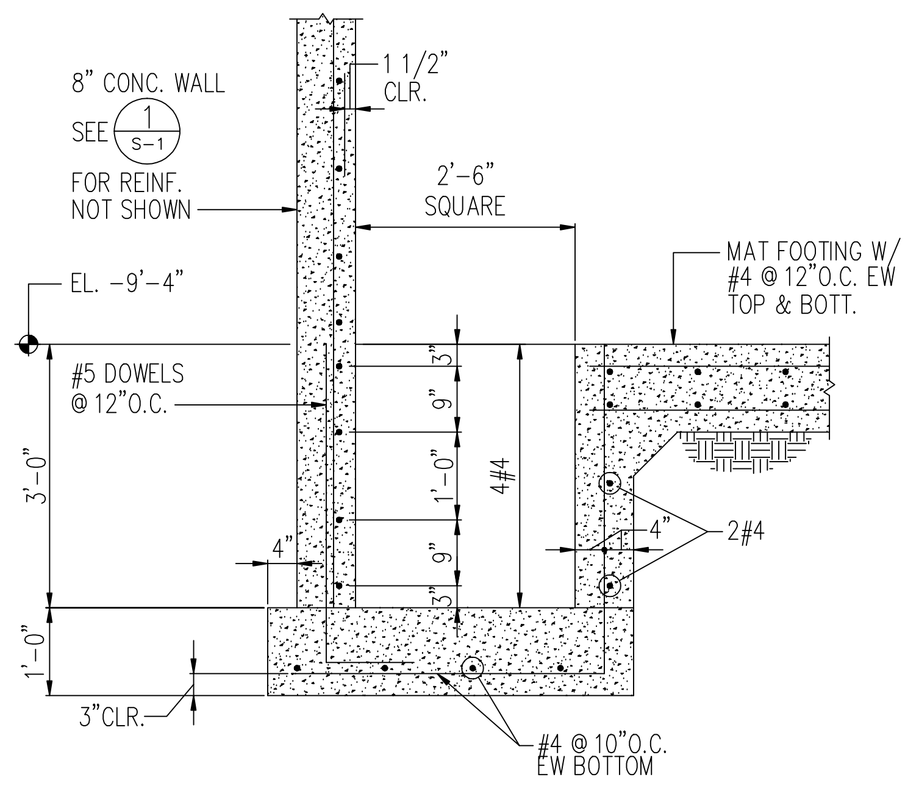
610.2. ALL STEEL GRATE FLOORING SHALL BE SECURELY FASTENED TO THE SUPPORTING STRUCTURE AT A SPACING NOT EXCEEDING 24" O.C.

610.3. STEEL FLOOR GRATE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS INDICATING AS A MINIMUM THE PROPOSED JOINT LOCATIONS, CONNECTION DETAILS, AND GRADE OF STEEL.

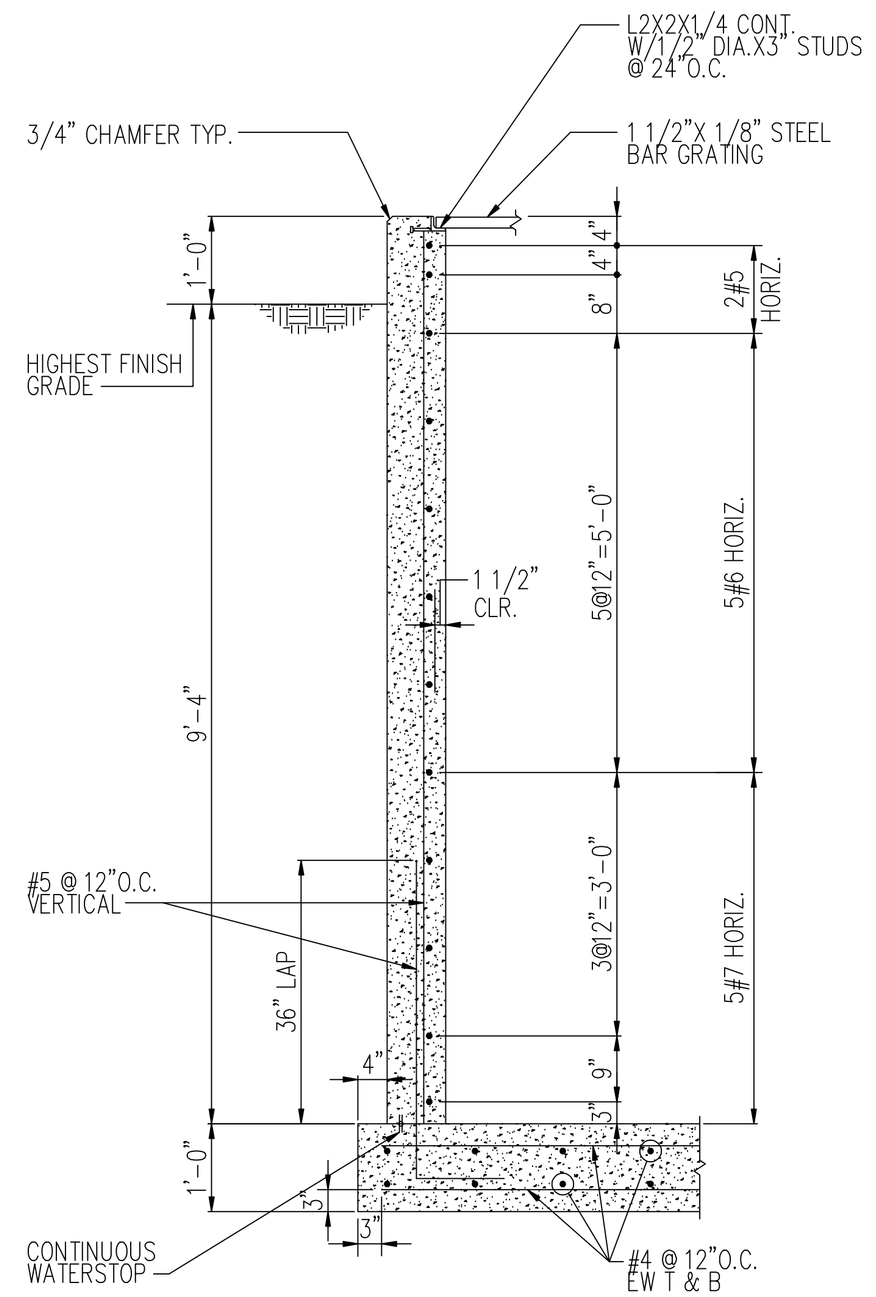


PLAN
SCALE: 1/4" = 1'-0"

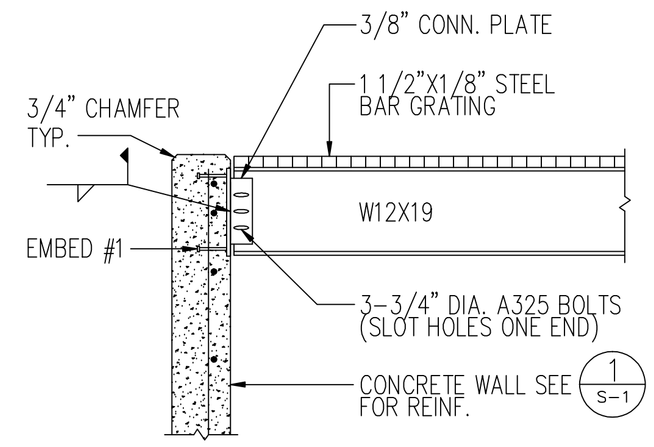
NOTES:
1. 1 1/2"X1/8" BAR GRATING SHALL BE PANELIZED INTO 2-4'-0" PANELS AND 1 -3'-4" PANEL.
1. ALL STEEL SHALL BE HOT DIP GALVANIZED.



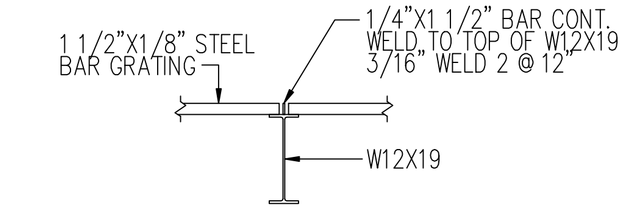
SECTION
SCALE: 3/4" = 1'-0" — 4 S-1



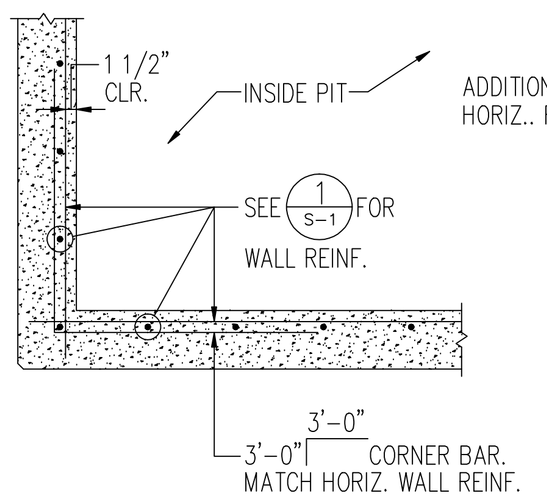
SECTION
SCALE: 3/4" = 1'-0" — 1 S-1



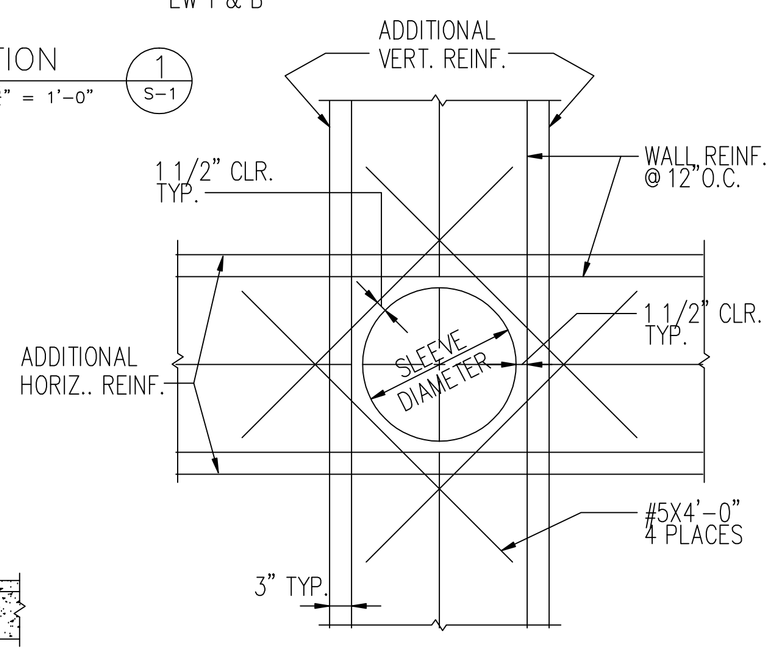
SECTION
SCALE: 3/4" = 1'-0" — 2 S-1



SECTION
SCALE: 3/4" = 1'-0" — 3 S-1

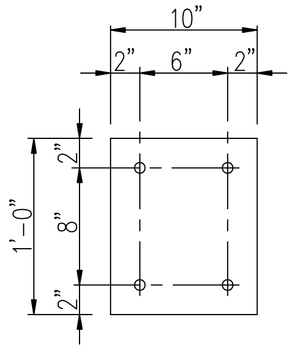


WALL DETAIL
SCALE: 3/4" = 1'-0" — 5 S-1



PIPE SLEEVE DETAIL
SCALE: 3/4" = 1'-0" — 6 S-1

NOTES:
1. FOR 20" & 14" DIA. SLEEVES, STOP INTERSECTING BARS AND PROVIDE ADDITIONAL #5 BARS AND DOUBLE VERT. AND HORIZ. REINF. EACH SIDE OF SLEEVE AS SHOWN ABOVE. LOACTE SLEEVE SUCH THAT ONLY ONE BAR IN EACH DIRECTION IS INTERRUPTED.
2. FOR 12" & 10" DIA. SLEEVES, LOCATE VERTICAL & HORIZONTAL BARS, SUCH THAT 1 1/2" CLR. IS MAINTAINED.



TYPE #1

EMBEDDED PLATE TYPES
SCALE: 1 1/2" =1'-0"

NOTES:
ALL PLATES 1/2" THICK
ALL STUDS 3/4"X4"

KBJ Architects, Inc. AAC000078
510 North Julia Street
Jacksonville, Florida 32202

DSGN	TLA	DR	ARJ	CHK	DLW
SUPV	RUTH	CH ENGR	MJK		
SUBMITTED BY (FIRM MEMBER-TITLE):				DATE	15 JUNE 2001
TECHNICAL BRANCH					
FPE	JIM RITCHIE				

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Appvd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE
DINING FACILITY
CONCRETE BEAM DIAGRAMS

ETD
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385552
SHEET	7 OF -

S-1

FOUNDATION AND FIRST FLOOR PLAN

SCALE: 1:100

NOTES:

1. 4" CONC. SLAB WITH 6X6 W1.4XW1.4 W.W.M. ON VAPOR BARRIER ON COMPACTED FILL.
2. C.J. – DENOTES CONTROL JOINT, SEE 1A/S501
   S.J. – DENOTES SAW JOINT, SEE 1B/S501
3. T.S. – DENOTES THICKENED SLAB, SEE 7/S501 AND 1/S301
4. T.D. – DENOTED TURN DOWN SLAB, SEE 5/S501
5. T.O.F. EL.: EXTERIOR = –2'–0" U.N.O.
   INTERIOR = –2'–0" U.N.O.
   S.F. – DENOTES STEP FOOTING SEE 6/S501
6. MASONRY WALL REINFORCING:
   EXTERIOR WALLS:
   A. VERTICAL –1–#6 @ 40"O.C., ALL WALL INTERSECTIONS, CORNERS, AND 2–#6 EACH SIDE OF MASONRY OPENINGS, AS SHOWN ON S301 UNLESS, NOTED OTHERWISE IN THE MASONRY PILASTER SCHEDULE.
   B. HORIZONTAL –1–#5 @ 48"O.C.
   C. ALSO SEE SHEET S301 FOR TYPICAL REINFORCING AT MASONRY OPENINGS AND VERTICAL CONTROL JOINTS.
   INTERIOR WALLS:
   A. VERTICAL –1–#4 @ 48"O.C., ALL WALL INTERSECTIONS, CORNERS, AND EACH SIDE OF MASONRY OPENINGS, UNLESS OTHERWISE NOTED IN THE MASONRY PILASTER SCHEDULE.
   B. HORIZONTAL –1–#5 @ 48"O.C.
   C. SEE LINTEL SCHEDULE, SHEET S301 FOR REINFORCING ABOVE MASONRY OPENINGS.
7. VCJ – DENOTES VERTICAL CONTROL JOINT IN MASONRY WALL. E/S301
8. COORDINATE ALL FLOOR DRAIN LOCATIONS AND SLOPE WITH ARCH. DRAWINGS.
9. SEE SHEET S104 FOR MASONRY PILASTER SCHEDULE, COLUMN AND FOOTING SCHEDULE. AND CONTINUOUS WALL FOOTING SCHEDULE.
10. TOP OF CMU WALL EL..=+11'–4" U.O.N. ON PLAN
11. SEE ARCH DWGS FOR DIMENSIONS OF CMU WALLS NOT SHOWN
12. WHERE CMU WALLS ON THICKENED SLAB CROSS C.J. OR S.J., PROVIDE VERTICAL CONTROL JOINT IN WALL. SEE E/S301
13. MECHANICAL EQUIPMENT YARD:
    – SEE 2/S205 FOR TYPICAL WALL REINFORCING.
    – SEE 3/S501 FOR TYPICAL EQUIPMENT PAD DETAIL
    – PROVIDE PILASTER TYPE (P2) AT GATE JAMBS. ON 6'–0"X6'–0"X1'–2" SPREAD FOOTING W/ 7–#5 E.W. TOP AND BOTT.
    – PROVIDE PILASTER TYPE (P3) AT CORNERS. ON CONT. WALL FTG.

9'–2"X11'–2"X1'–2" MAT FOUNDATION W/ #5@12"O.C. E.W. TOP AND BOTTOM

NOTE 1 TYPICAL

DATE PLOTTED: 06–13–01 PROJECT NUMBER: 300–278

KBJ Architects, Inc. AAC000019
510 North Julia Street
Jacksonville, Florida 32202

Rev.	Description	Date	Prep. By	Approvd.
	ASBUILT			

DRAWING REVISIONS

DSGN TLA DR ARJ CH DLW
SUPV RUTH CH ENGR MJK
SUBMITTED BY (FIRM MEMBER-TITLE): 15 JUNE 2001
TECHNICAL BRANCH
FPE JIM RITCHIE

SHAW AIR FORCE BASE
SUMTER, S.C.
DINING FACILITY
FOUNDATION AND FIRST FLOOR PLAN
DATE
APPROVED
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06–00–0397
CONSTRN. CONTR. NO.	N62467–00–C–0397
NAVFAC DRAWING NO.	5385618
SHEET	72 OF –

S101

LOW ROOF FRAMING PLAN

SCALE: 1:100

NORTH

NOTES:

1. MD-1 - DENOTES 1 1/2", 20GA., GALV., WIDE RIB METAL DECK. $S_{MIN.}$ = 0.186 $I_{MIN.}$ = 0.169 SEE DECK ATTACHMENT DIAGRAM S503.
2. CTB-X - DENOTES CONCRETE TIE BEAM. SEE SCHEDULE BELOW.
3. CB-X - DENOTES CONC. BEAM, SEE SHEET S401 FOR DIAGRAM.
4. SLOPE 1 =2.0940:12
   SLOPE 2 =3.5136:12
   SLOPE 3 =1.3296:12
5. * -DENOTES BOT. FLANGE BRACE, SEE 2/S502
6. SEE SECTION 1/S502 & 3/S502 FOR TOP OF WALL SUPPORTS @ 12'-0" O.C.

CONC. TIE BEAM SCHEDULE

MARK	WIDTH	DEPTH	REINFORCEMENT TOP	REINFORCEMENT BOTT.	TIES
CTB-1	7 5/8"	1'-4"	2-#4	2-#4	#3 @ 16"O.C.
CTB-2	12"	1'-10 1/2"	2-#5	2-#5	#3 @ 16"O.C.
CTB-3	7 5/8"	1'-10 1/2"	2-#4	2-#5	#3 @ 16"O.C.
CTB-4	7 5/8"	1'-3 1/8"	2-#4	2-#5	#3 @ 16"O.C.
CTB-5	7 5/8"	1'-4 1/8"	2-#4	2-#5	#3 @ 16"O.C.
CTB-V	7 5/8"	VARIES SEE X/SXOX	2-#4	2-#4	#3 @ 16"O.C.

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385619
SHEET 73 OF -
S102

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

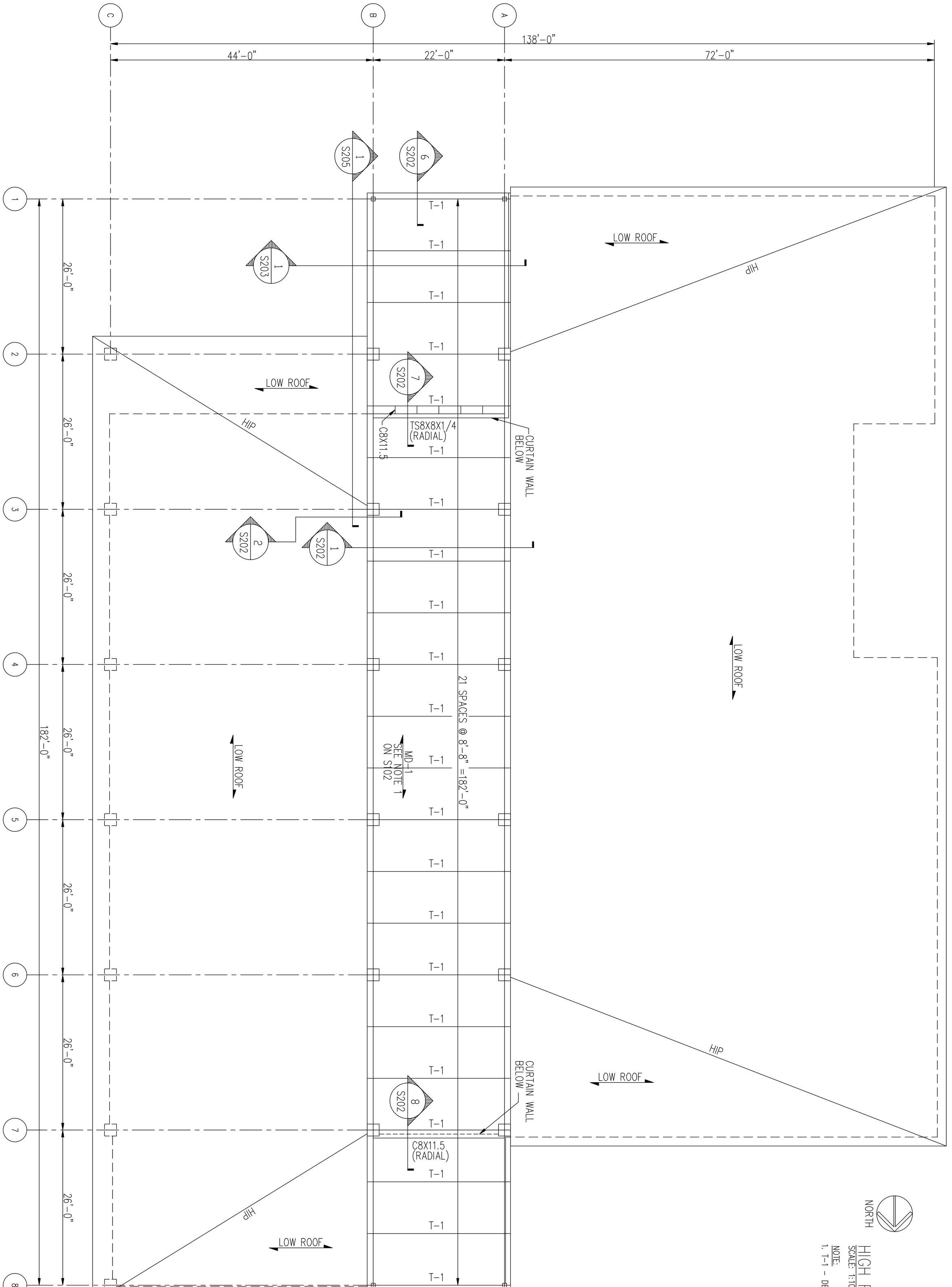
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
LOW ROOF FRAMING PLAN
APPROVED DATE EFD FOR COMMANDER, NAVFAC

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN TLA DR ARJ CHK DLW
SUPV RUTH CH ENGR MJK
SUBMITTED BY (FIRM MEMBER-TITLE): DATE 15 JUNE 2001
TECHNICAL BRANCH
FPE JIM RITCHIE



NORTH

HIGH ROOF FRAMING PLAN

SCALE: 1:100

NOTE:
1. T-1 - DENOTES STEEL PIPE TRUSS, SEE 1/S203

RECORD DRAWING DATE

CODE I.D. NO. 80091

DRAWING SIZE: D

SPEC. NO. 06-00-0397

CONSTRN. CONTR. NO. N62467-00-C-0397

NAVFAC DRAWING NO. 5385620

SHEET 74 OF -

S103

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

HIGH ROOF FRAMING PLAN

APPROVED DATE EFD FOR COMMANDER, NAVFAC

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

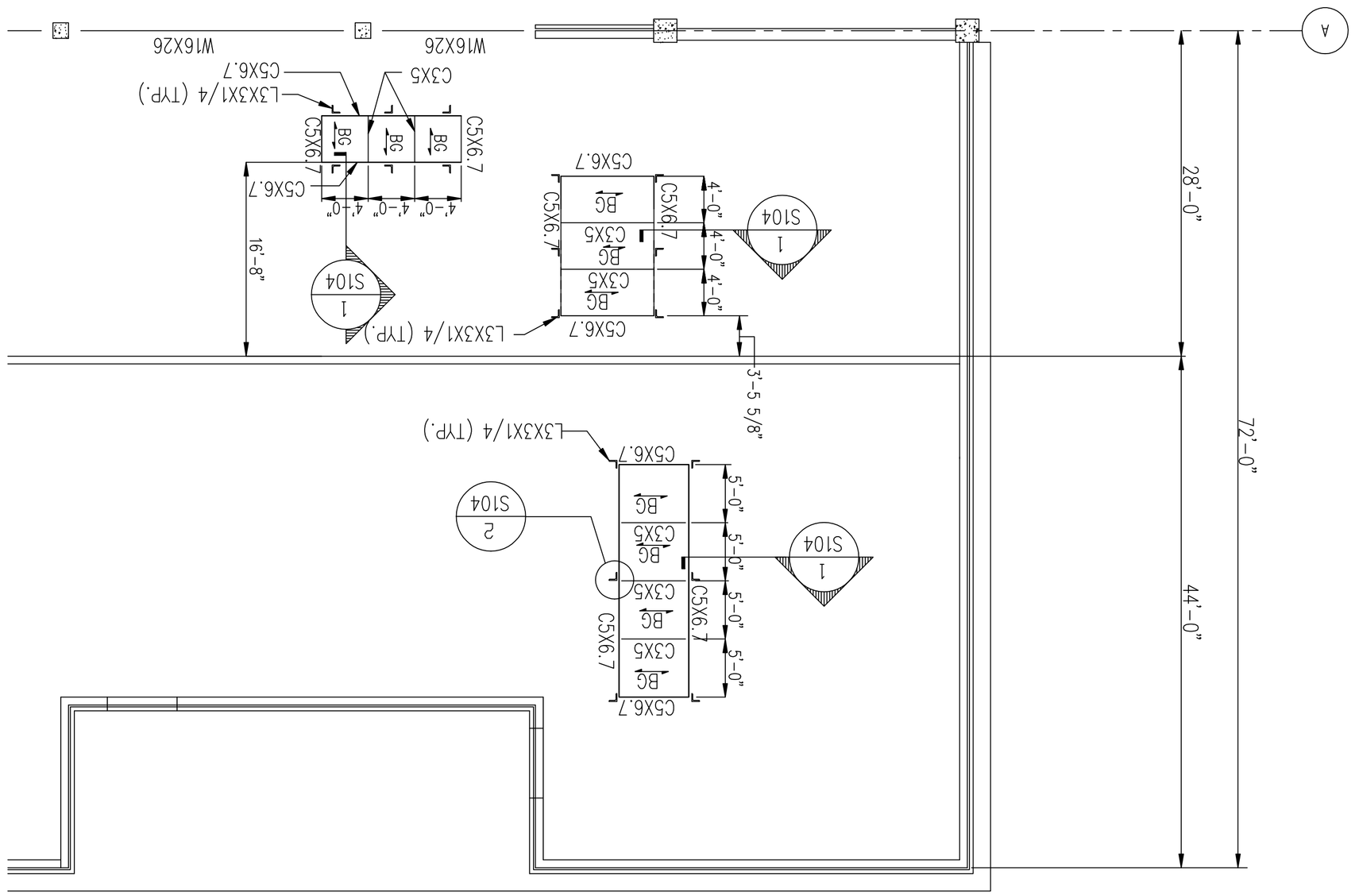
DSGN TLA DR ARJ CHK DLW

SUPV RUTH CH ENGR MJK

SUBMITTED BY (FIRM MEMBER-TITLE): DATE 15 JUNE 2001

TECHNICAL BRANCH

FPE JIM RITCHIE

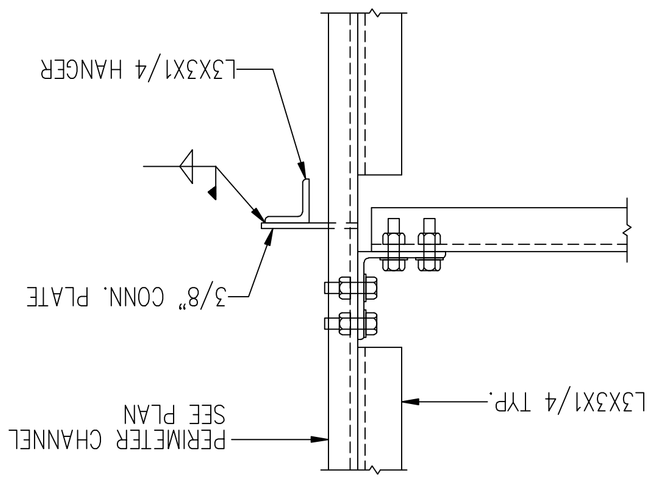


MEZZANINE PLAN

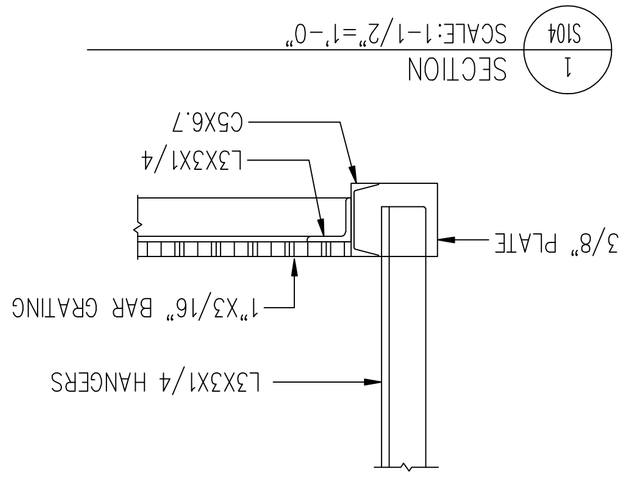
SCALE: 1/8"=1'-0"

NORTH

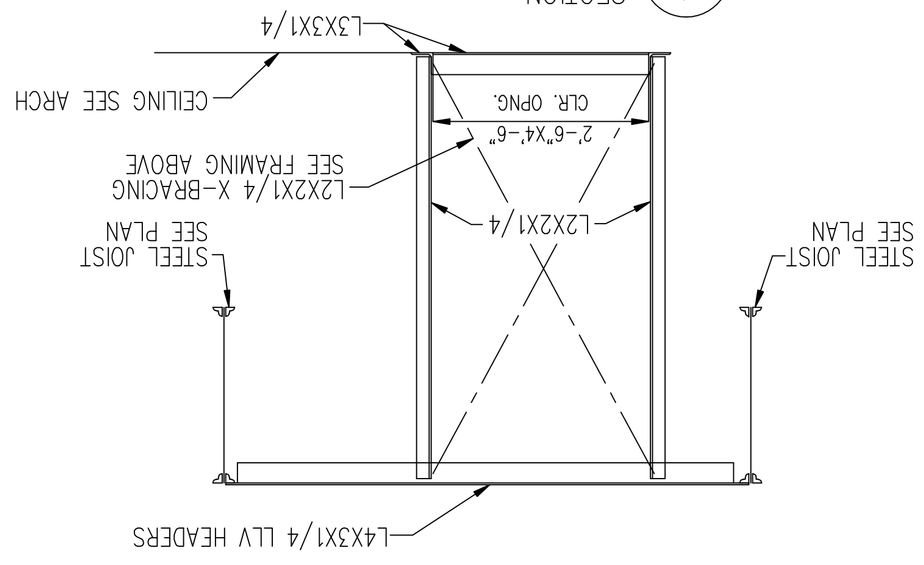
NOTES:
1. BG – DENOTES 1"X3/16" BAR GRATING



2 SECTION
SCALE: 1-1/2"=1'-0"
S104



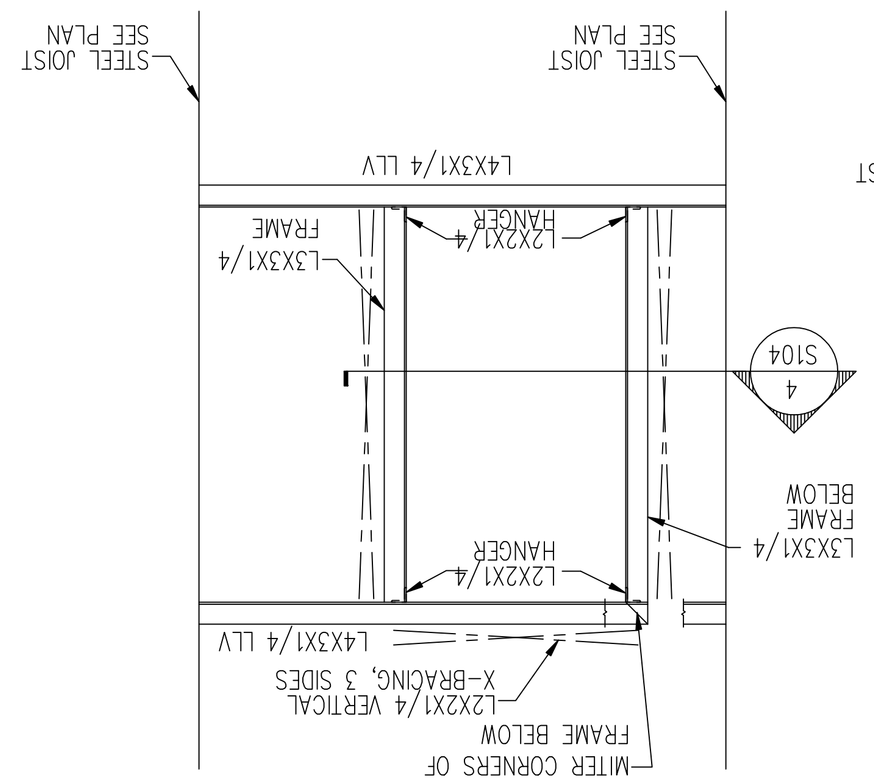
1 SECTION
SCALE: 1-1/2"=1'-0"
S104



4 SECTION
SCALE: 3/4"=1'-0"
S104

SCALE: 1/8" = 1'-0"
0' 2' 4' 8' 16' 24'

1. COORDINATE LOCATIONS W/ ARCH. DWGS.



3 TYPICAL DISAPPEARING STAIR FRAMING
SCALE: 3/4"=1'-0"
S104

CONTINUOUS WALL FOOTING SCHEDULE

MARK	SIZE	REINF.
WF1.5	1'-6" WIDE X 1'-2" DEEP	4-#4 CONT. #3 TIES @ 24"O.C.
WF2.0	2'-0" WIDE X 1'-2" DEEP	4-#4 CONT. #3 TIES @ 24"O.C.
WF3.0	3'-0" WIDE X 1'-4" DEEP	6-#4 CONT. #3 TIES @ 12"O.C.

COLUMN & FOOTING SCHEDULE

MARK	COL. SIZE	COL. REINF.	FOOTING SIZE	FOOTING REINF.
C1	24"X24"	8-#8 VERT. #3 TIES @ 12"O.C.	5'-0"X5'-0" X1'-2"	7-#4 EA. WAY BOTTOM
C2	24"X24"	8-#8 VERT. #3 TIES @ 12"O.C.	6'-0"X6'-0" X1'-2"	7-#5 EA. WAY BOTTOM
C3	16"X16"	4-#8 VERT. #3 TIES @ 8"O.C.	6'-0"X6'-0" X1'-2"	7-#5 EA. WAY BOTTOM

MASONRY PILASTER SCHEDULE

MARK	TYPE	REINF.	# OF CELLS	LOCATION	FTG. SIZE	FTG. REINF.
P1		#6	2	CENTERED	SEE PLAN	SEE SCHED.
P2		#5	2	DOUBLY REINF.	SPREAD FOOTING	SEE SCHED.
P3		#6	3	CENTERED	SEE PLAN	SEE SCHED.

Rev.	Description	Prep By	Date	Approvd.
	ASBUILT			

DRAWING REVISIONS

KBJ Architects, Inc. AAC000071
510 North Julia Street 32202
Jacksonville, Florida

DSGN	TLA
SUPV	RUTH
DR	ARJ
CH ENGR	MJK
CHK	DLW

SUBMITTED BY (FIRM MEMBER-TITLE): DATE 15 JUNE 2001

TECHNICAL BRANCH:

FPC

JIM RITCHIE

EFD FOR COMMANDER, NAVFAC

APPROVED

DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

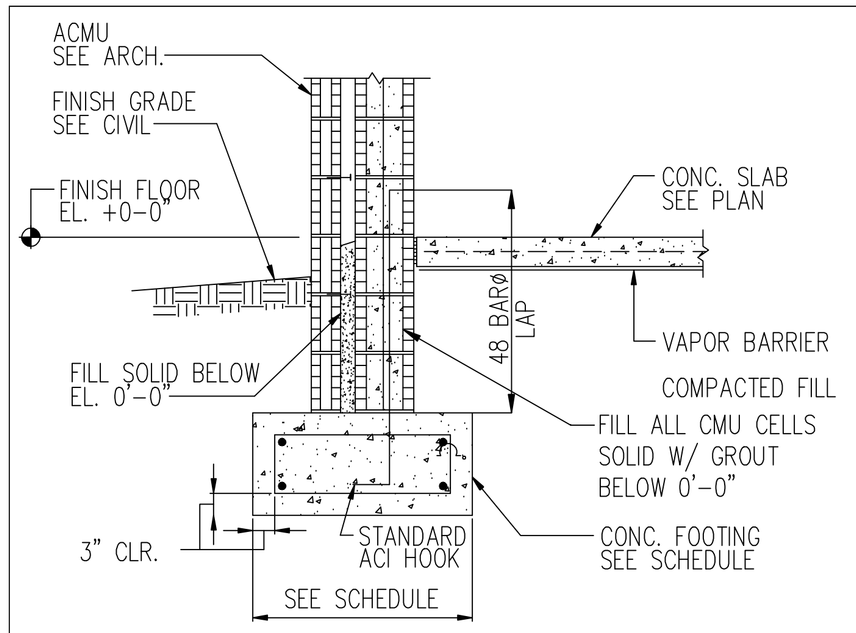
SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

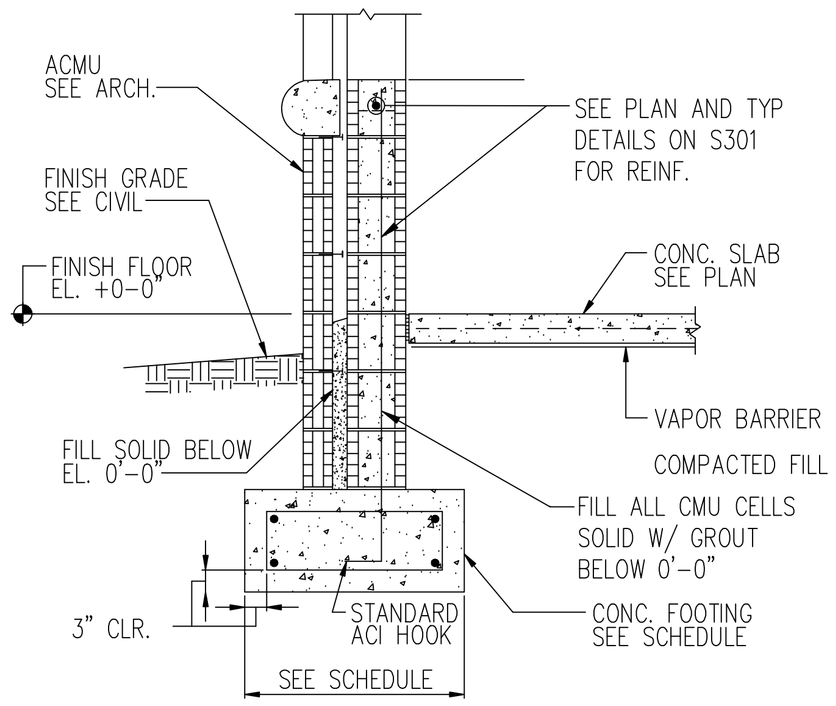
MEZZANINE PLAN

RECORD DRAWING DATE	
CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385621
SHEET 75 OF –	

S104

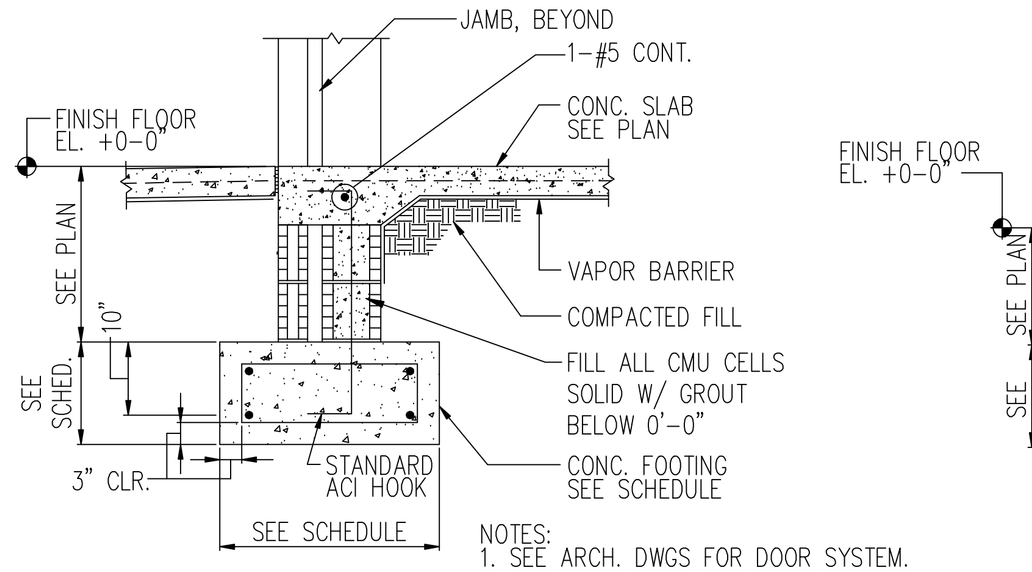


1 / S201 SECTION
SCALE: 3/4"=1'-0"



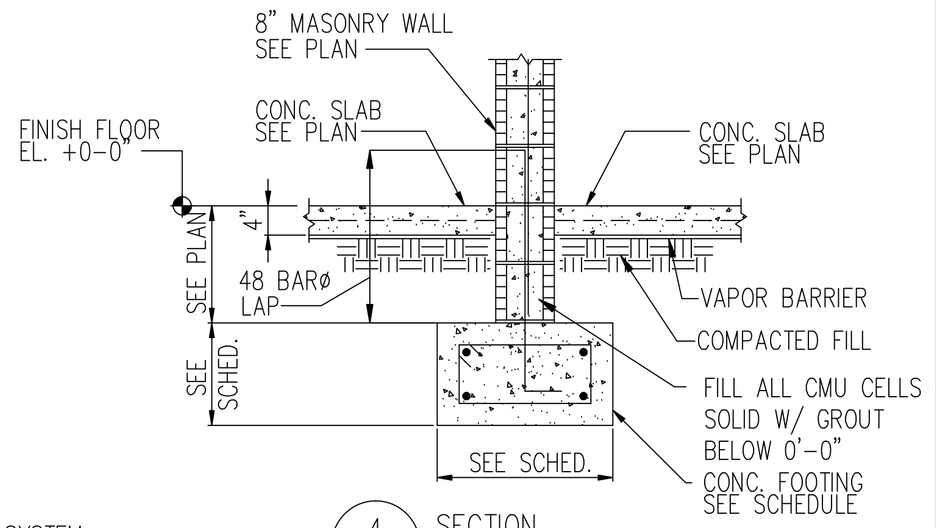
2 / S201 SECTION
SCALE: 3/4"=1'-0"

NOTES:
1. SEE ARCH. DWGS FOR WINDOW SYSTEM.

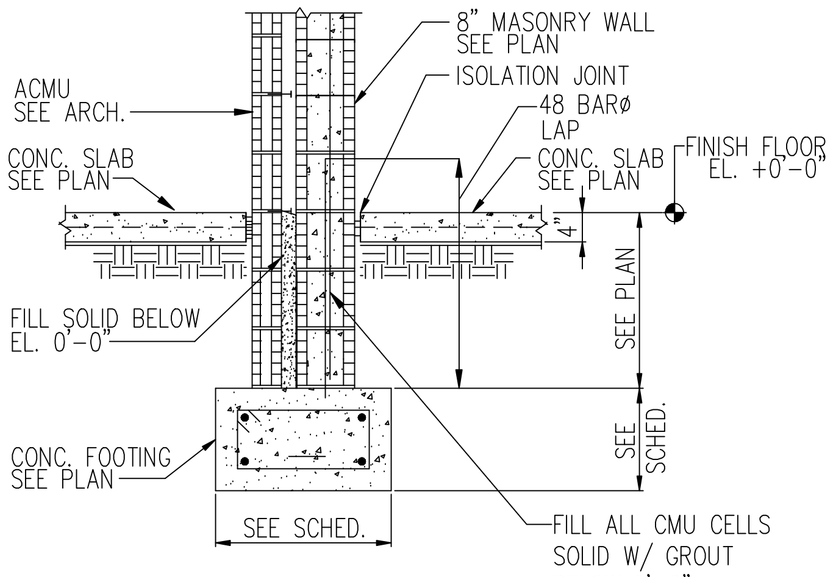


3 / S201 SECTION
SCALE: 3/4"=1'-0"

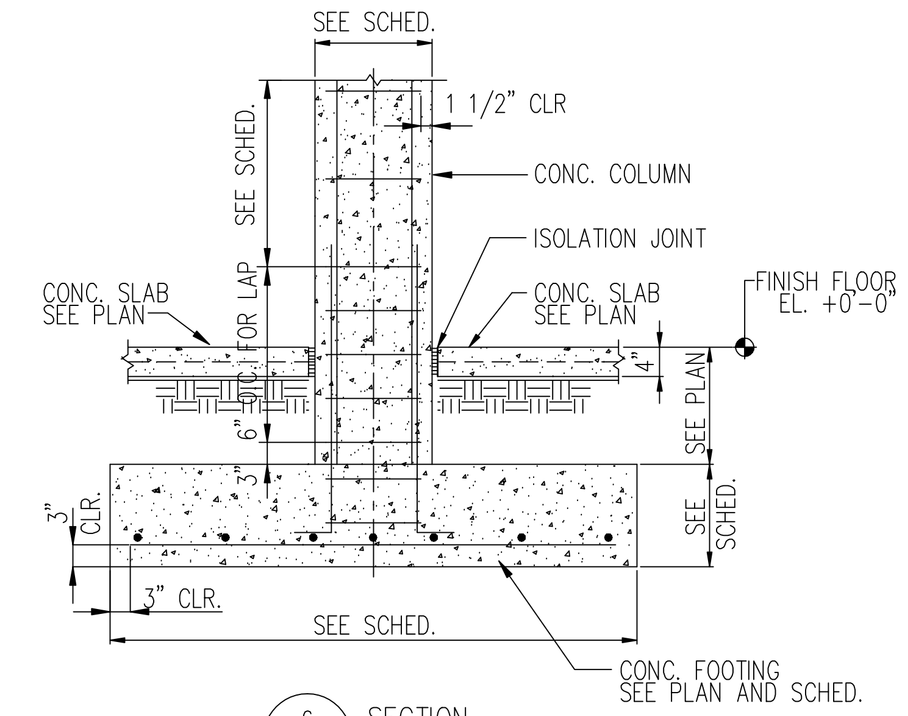
NOTES:
1. SEE ARCH. DWGS FOR DOOR SYSTEM.



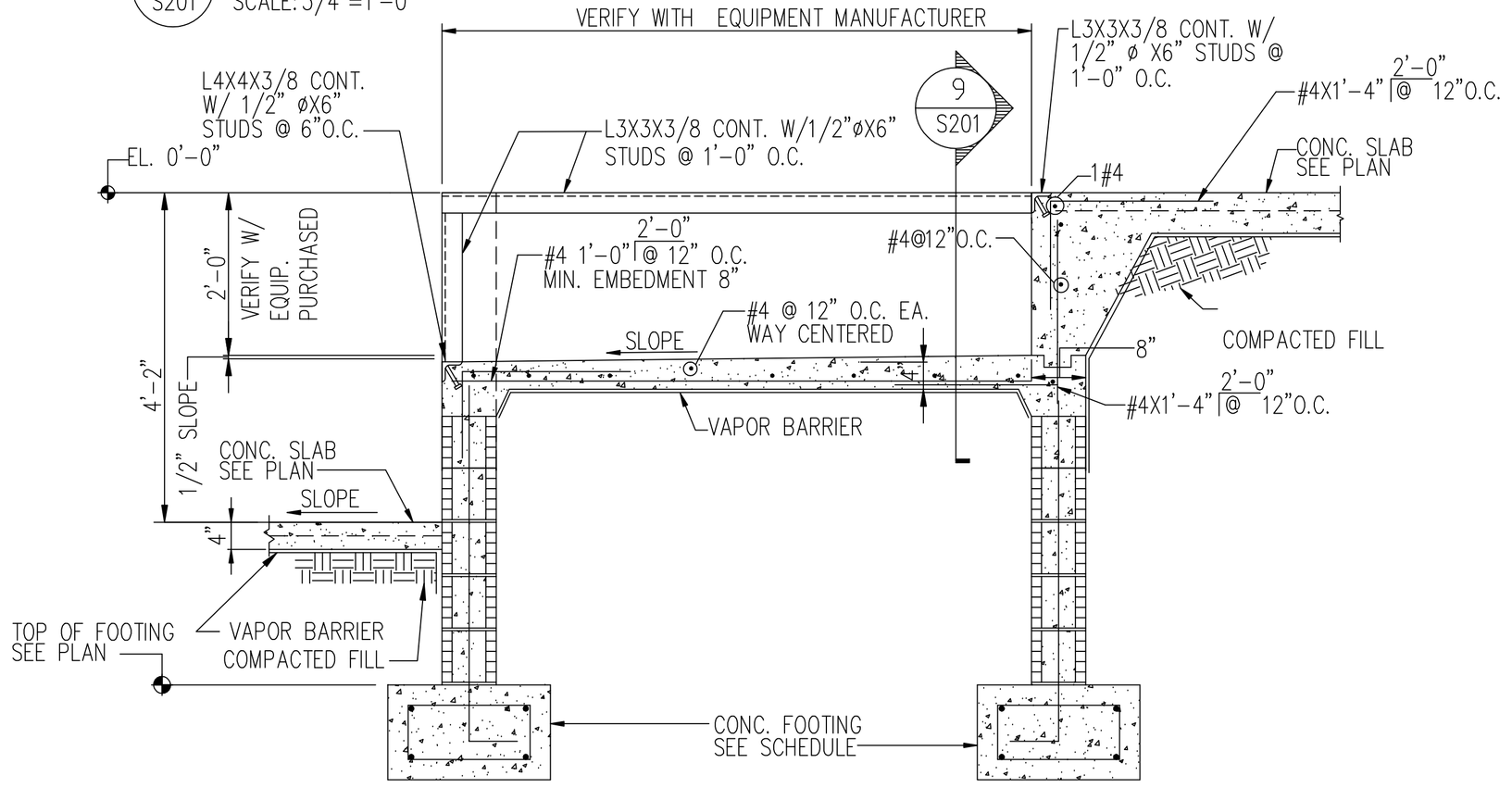
4 / S201 SECTION
SCALE: 3/4"=1'-0"



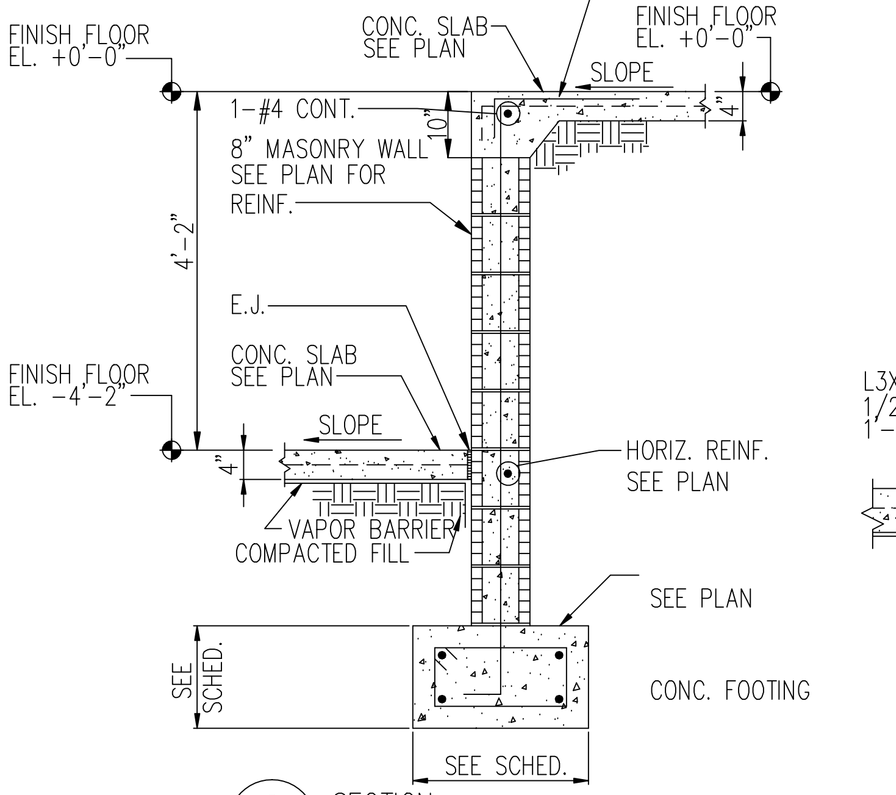
5 / S201 SECTION
SCALE: 3/4"=1'-0"



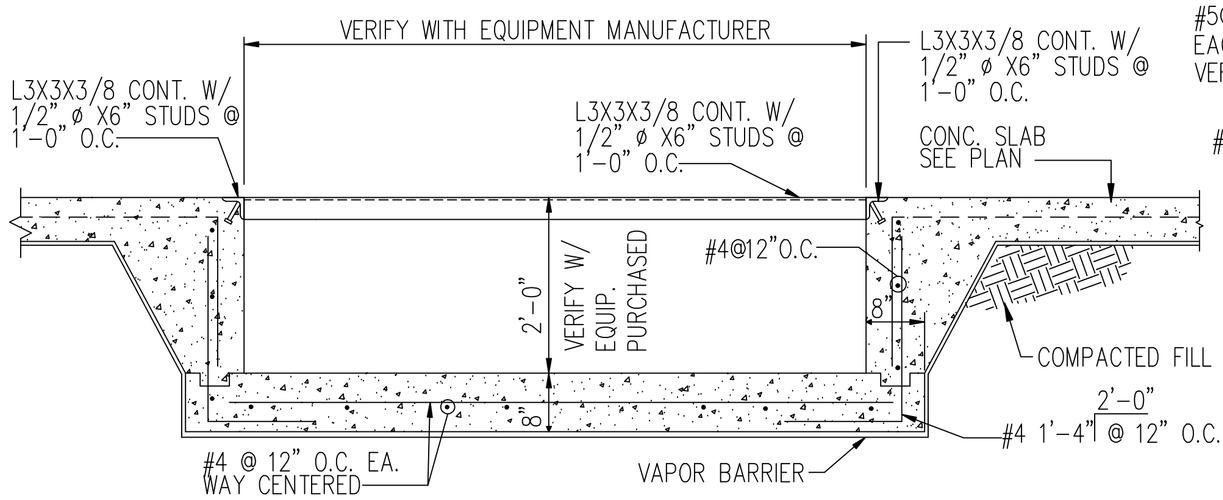
6 / S201 SECTION
SCALE: 3/4"=1'-0"



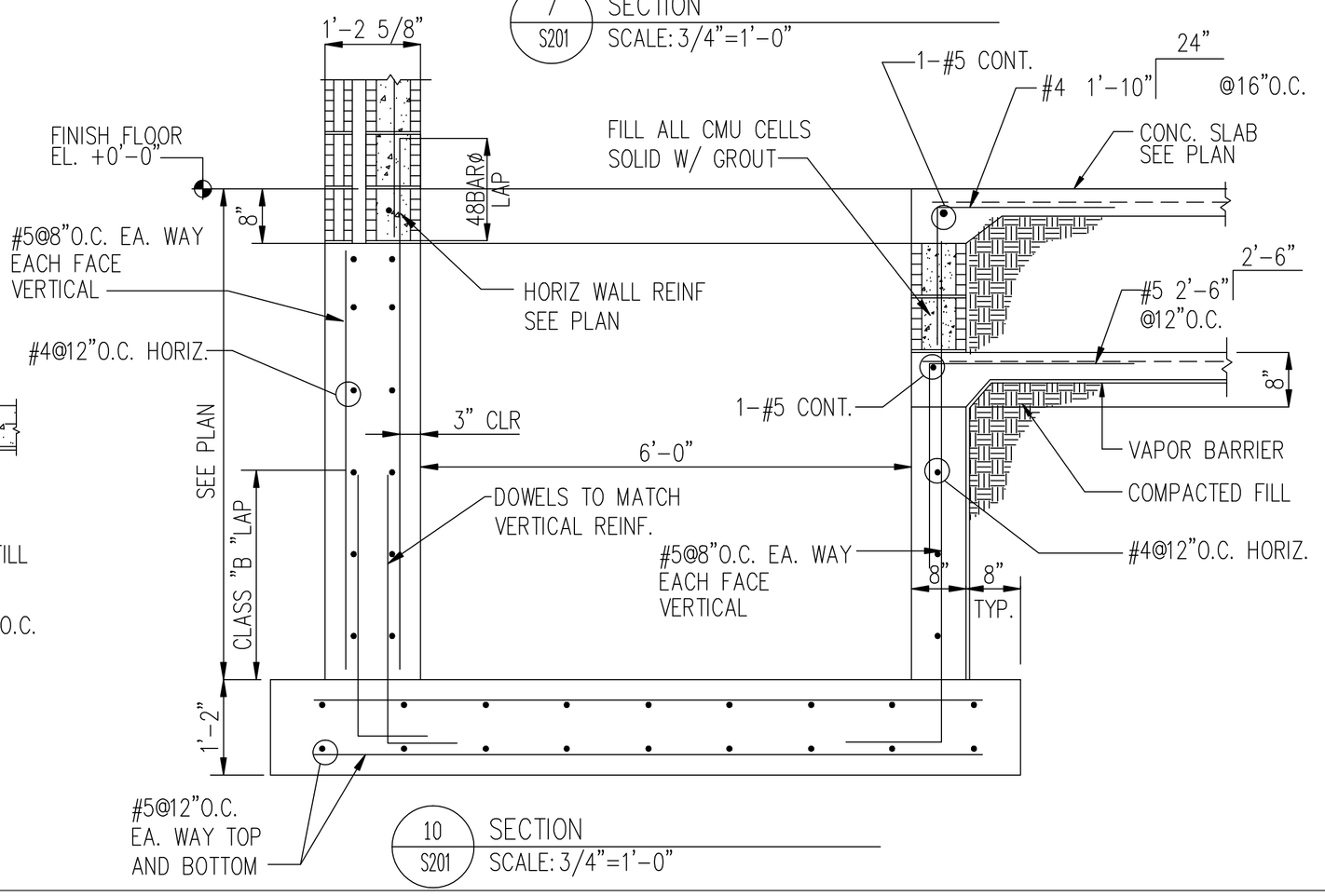
7 / S201 SECTION
SCALE: 3/4"=1'-0"



8 / S201 SECTION
SCALE: 3/4"=1'-0"
NOTE:
1. SEE ARCH FOR TRENCH DRAIN
2. PROVIDE LATERAL SUPPORT OF WALL DURING BACKFILLING UNTIL SLAB IS IN PLACE & fc=3000PSI



9 / S201 SECTION
SCALE: 3/4"=1'-0"



10 / S201 SECTION
SCALE: 3/4"=1'-0"

KBJ Architects, Inc. AAC000071
510 North Julia Street
Jacksonville, Florida 32202

		DR	ARJ	CHK DLW
		DSGN	TLA	CH ENGR MJK
		SUPV	RUTH	SUBMITTED BY (FIRM MEMBER-TITLE): 15 JUNE 2001
				TECHNICAL BRANCH FPE JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

SECTIONS AND DETAILS

APPROVED DATE

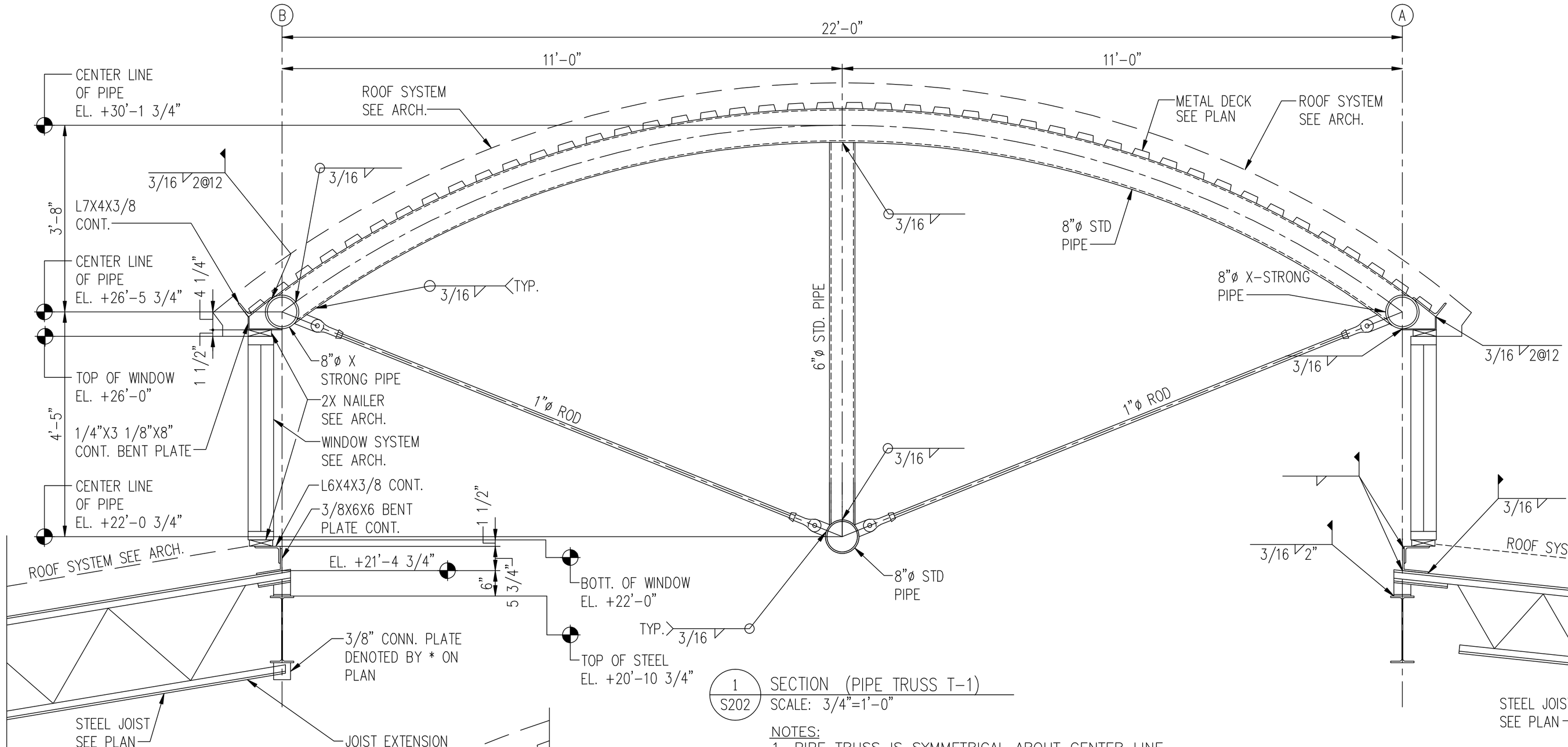
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

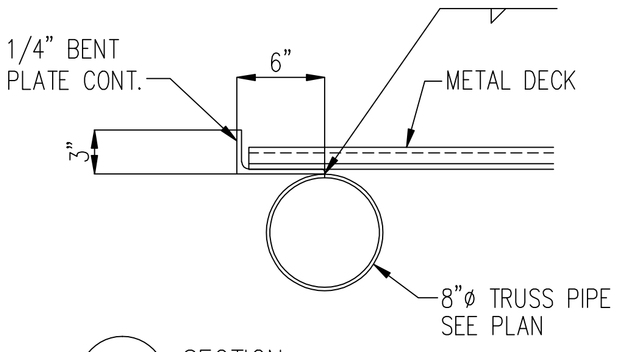
CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385622
SHEET	76 OF -

S201

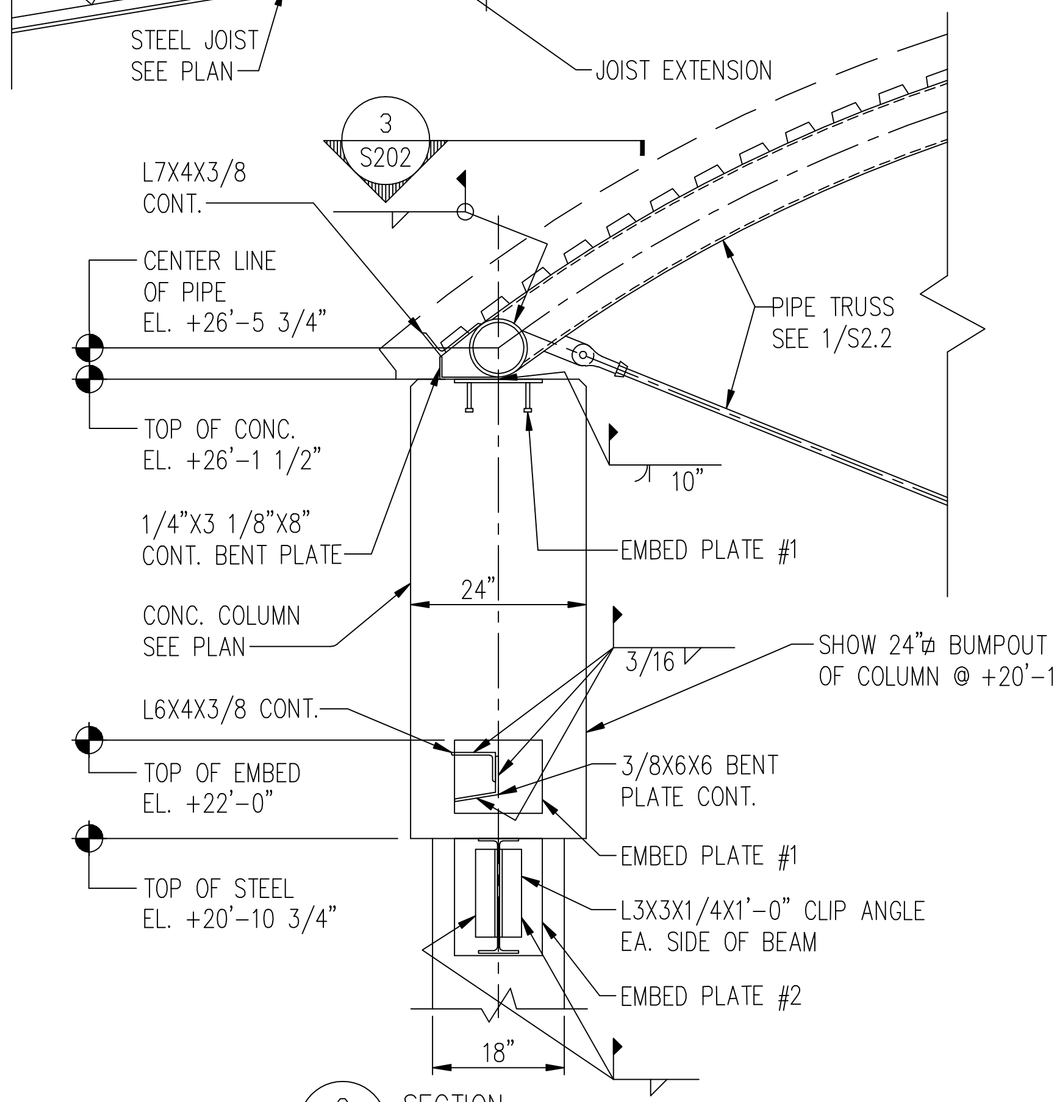


1 / S202 SECTION (PIPE TRUSS T-1)
SCALE: 3/4"=1'-0"

NOTES:
1. PIPE TRUSS IS SYMMETRICAL ABOUT CENTER LINE.

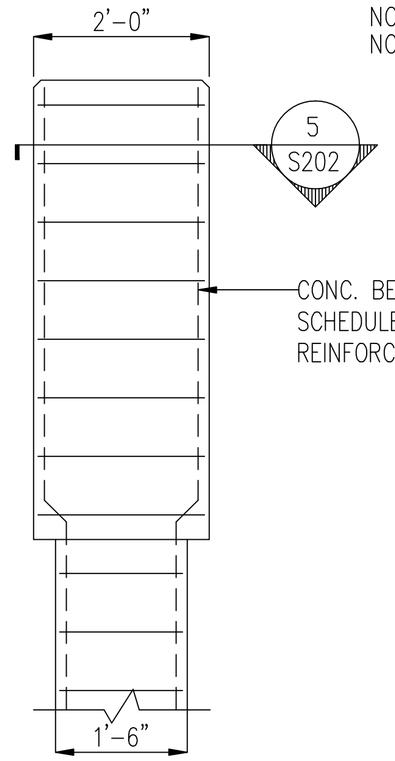


6 / S202 SECTION
SCALE: 1 1/2" =1'-0"

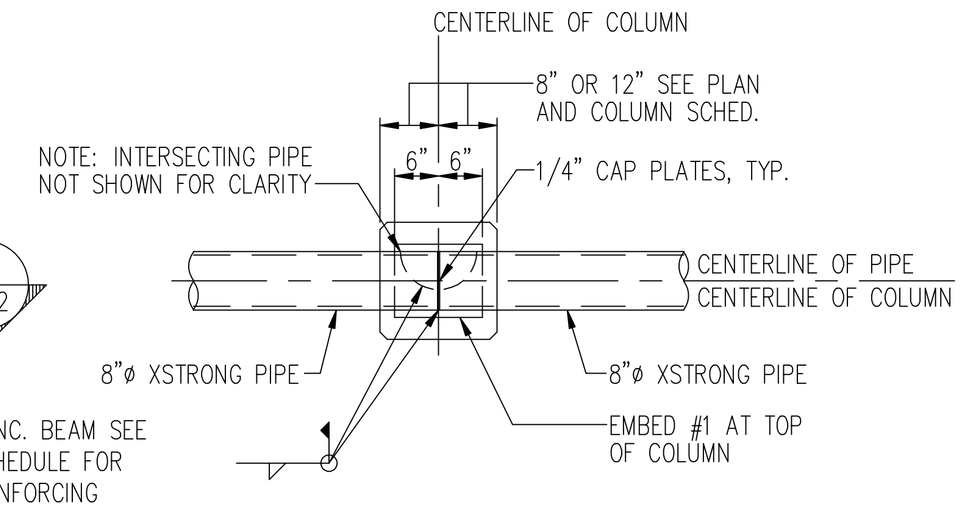


2 / S202 SECTION
SCALE: 3/4"=1'-0"

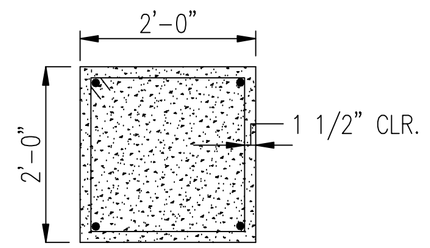
NOTES:
1. WINDOW SYSTEM NOT SHOWN FOR CLARITY



4 / S202 SECTION
SCALE: 3/4"=1'-0"

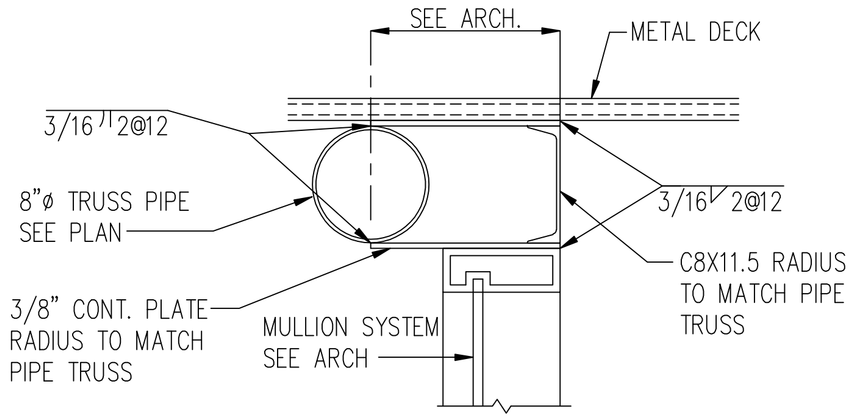


3 / S202 SECTION
SCALE: 3/4"=1'-0"



5 / S202 SECTION
SCALE: 3/4"=1'-0"

7 / S202 SECTION
SCALE: 1 1/2" =1'-0"



8 / S202 SECTION
SCALE: 1 1/2" =1'-0"

0 6" 1' 2' 3' 4'
SCALE: 3/4"=1'-0"

KBJ Architects, Inc. AAC000071
510 North Julia Street
Jacksonville, Florida 32202

DSGN	TLA	DR	ARJ
SUPV	RUTH	CH ENGR	MJK
SUBMITTED BY (FIRM MEMBER-TITLE):			DATE 15 JUNE 2001
TECHNICAL BRANCH			
FPE	JIM RITCHIE		

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

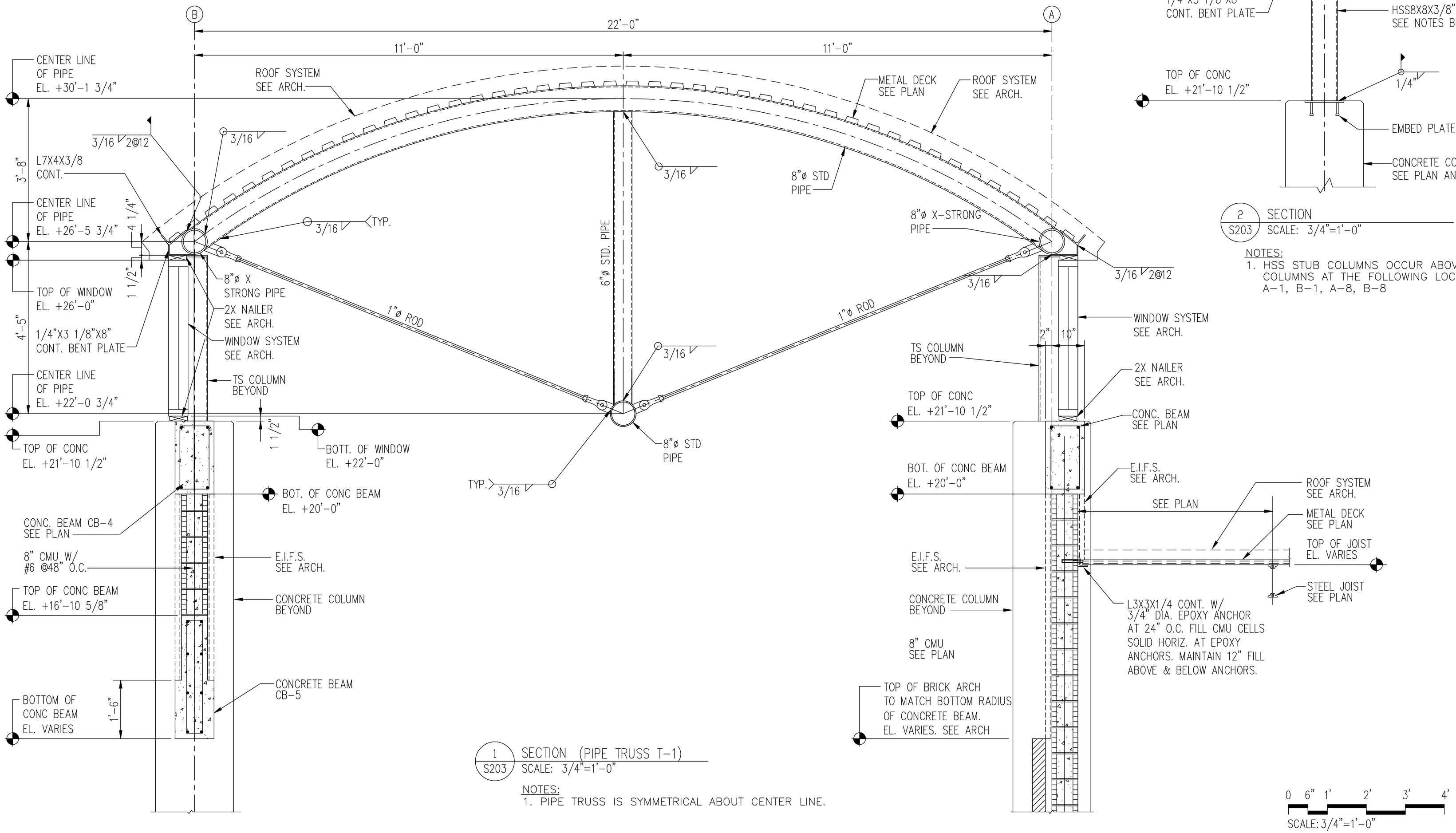
SHAW AIR FORCE BASE SUMTER, S.C.
DINING FACILITY
SECTIONS AND DETAILS
APPROVED
DATE
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Commond
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

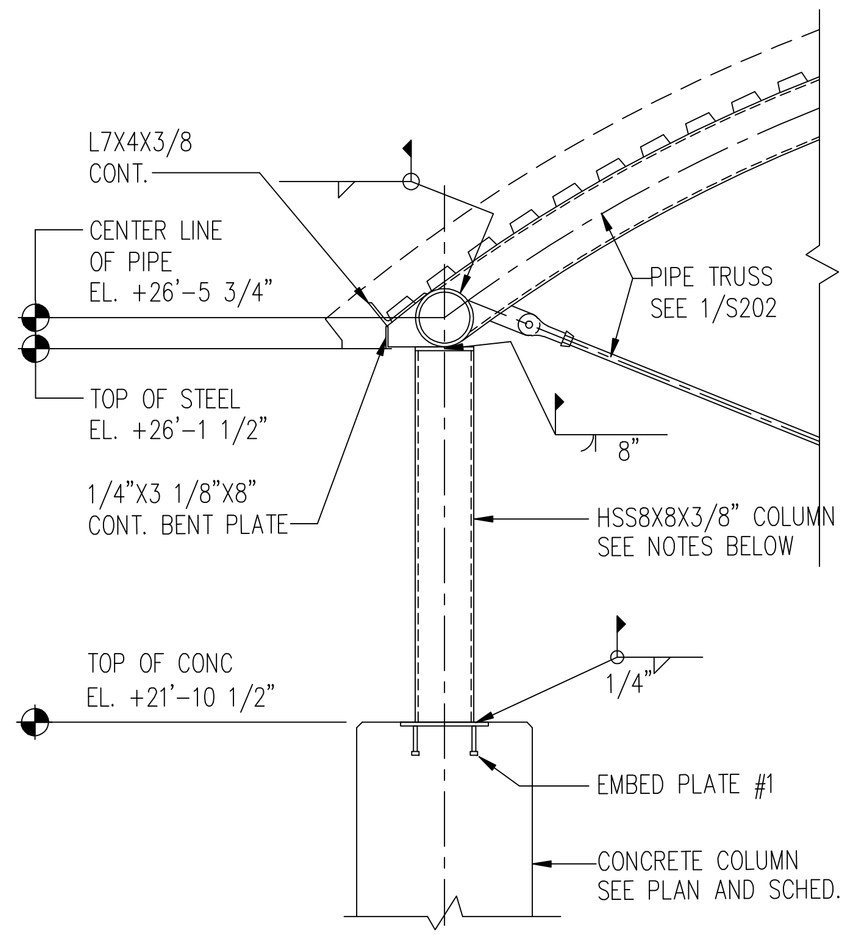
CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	538523
SHEET	77 OF –

S202



1 / S203 SECTION (PIPE TRUSS T-1)
SCALE: 3/4"=1'-0"

NOTES:
1. PIPE TRUSS IS SYMMETRICAL ABOUT CENTER LINE.



2 / S203 SECTION
SCALE: 3/4"=1'-0"

NOTES:
1. HSS STUB COLUMNS OCCUR ABOVE CONC. COLUMNS AT THE FOLLOWING LOCATIONS: A-1, B-1, A-8, B-8

KBJ Architects, Inc. AAC000071
510 North Julia Street
Jacksonville, Florida 32202

	Description	Date	Approd.
Rev.	ASBUILT		

DRAWING REVISIONS

Prep By

DSGN TLA | DR ARJ | CHK DLW
SUPV RUTH | CH ENGR MJK
SUBMITTED BY (FIRM MEMBER-TITLE): | DATE 15 JUNE 2001
TECHNICAL BRANCH | FPE
JIM RITCHIE

SUMTER, S.C.

SHAW AIR FORCE BASE

DINING FACILITY

SECTIONS AND DETAILS

DATE

APPROVED

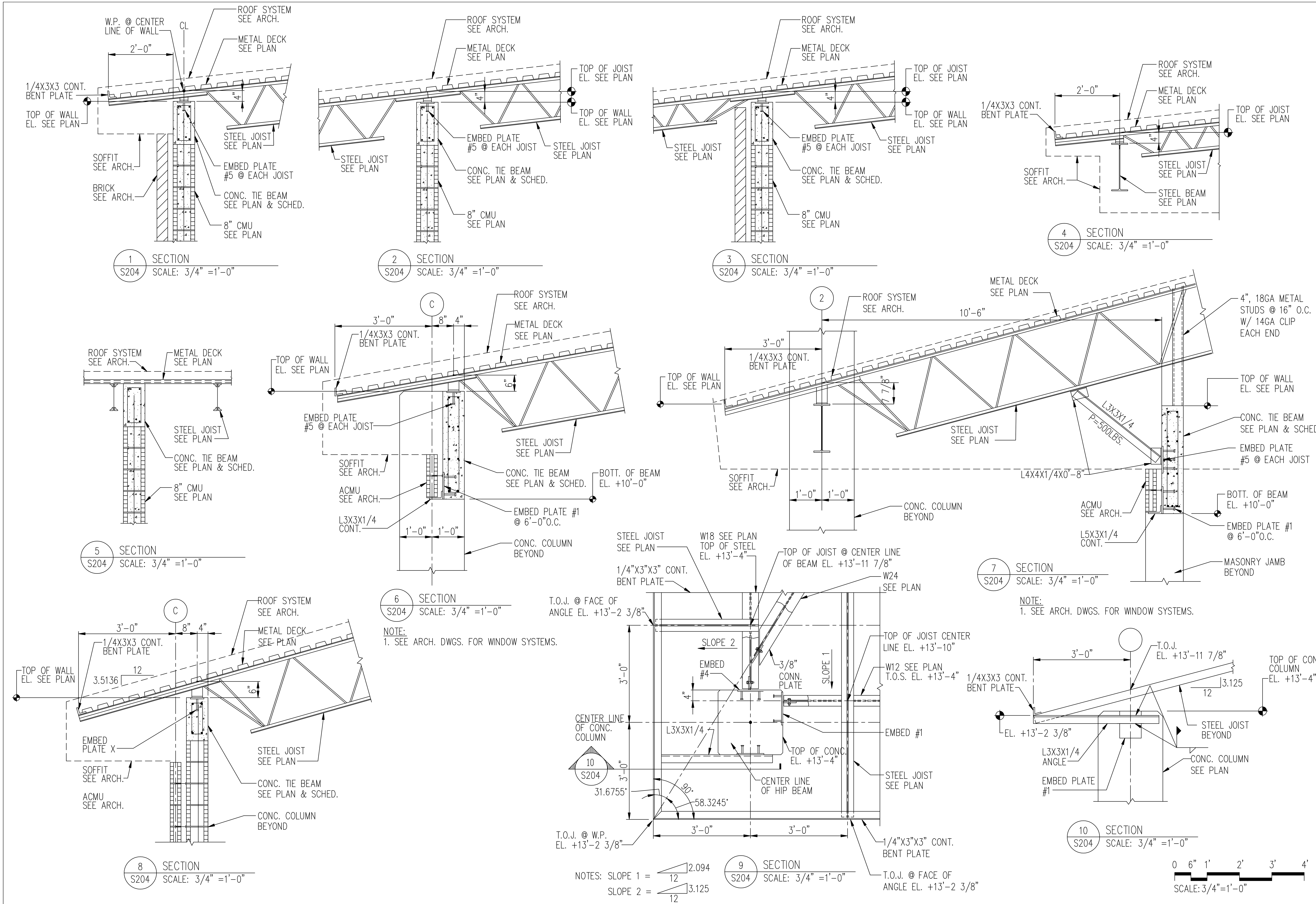
EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385624
SHEET 78 OF –

S203



KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN TLA	DR ARJ	CHK DLW
SUPV RUTH	CH ENGR MJK	
SUBMITTED BY (FIRM MEMBER-TITLE):		DATE 15 JUNE 2001
TECHNICAL BRANCH		
FPE	JIM RITCHIE	

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

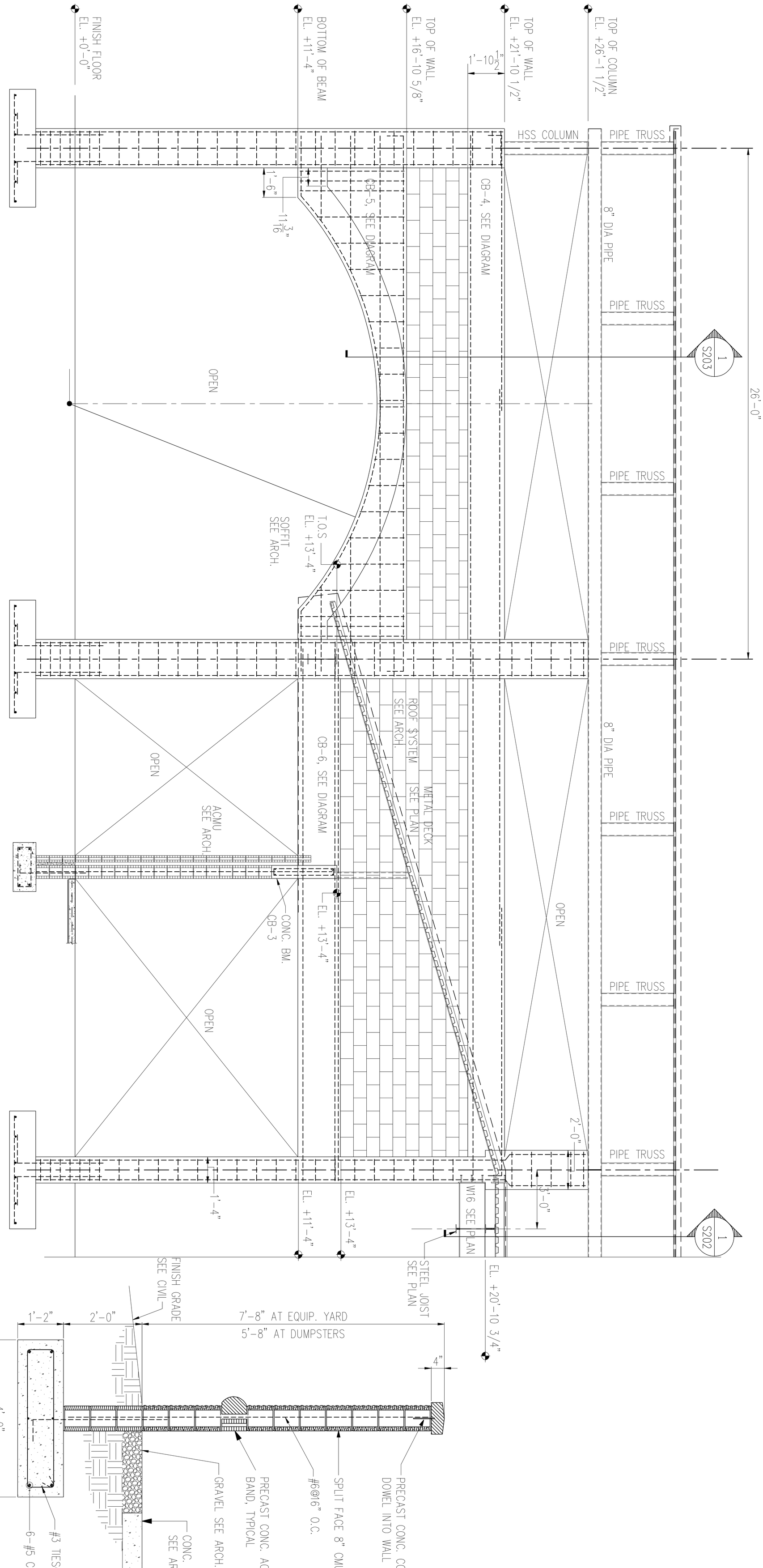
SECTIONS AND DETAILS

APPROVED DATE EFD FOR COMMANDER, NAVFAC

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385625
SHEET 79 OF -

S204



1 S205 SECTION
SCALE: 3/8" =1'-0"

NOTES:

2 S205 TYPICAL WALL SECTION @ MECHANICAL YARD
SCALE: 3/4" =1'-0"

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

SECTIONS AND DETAILS

APPROVED DATE EFD FOR COMMANDER, NAVFAC

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

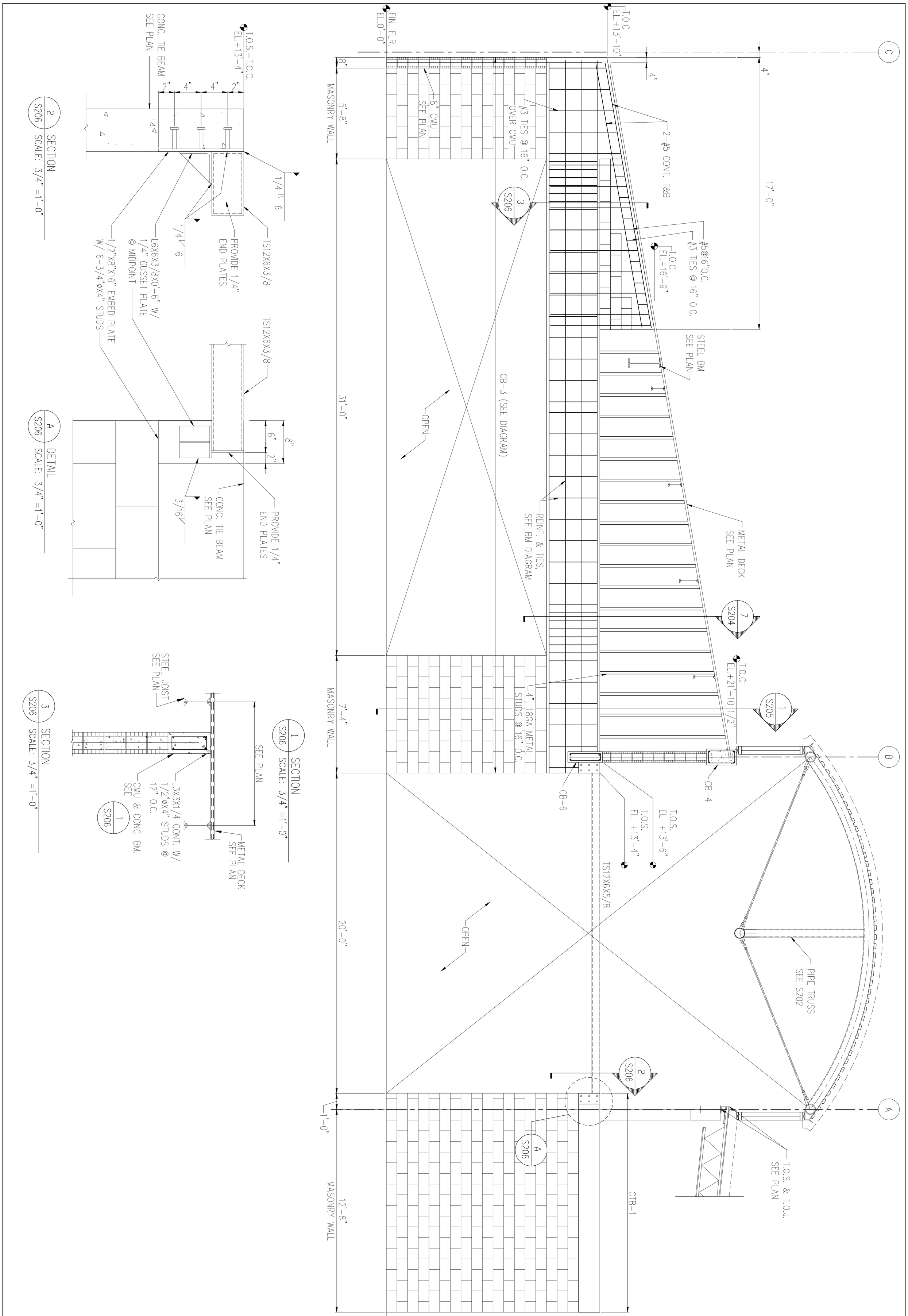
KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

DSGN TLA DR ARJ CHK DLW
SUPV RUTH CH ENGR MJK
SUBMITTED BY (FIRM MEMBER-TITLE): DATE 15 JUNE 2001
TECHNICAL BRANCH
FPE JIM RITCHIE

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385626
SHEET 80 OF -

S205



2 S206 SECTION
SCALE: 3/4" =1'-0"

A S206 DETAIL
SCALE: 3/4" =1'-0"

1 S206 SECTION
SCALE: 3/4" =1'-0"

3 S206 SECTION
SCALE: 3/4" =1'-0"

RECORD DRAWING DATE

CODE I.D. NO. 80091

DRAWING SIZE: D

SPEC. NO. 06-00-0397

CONSTRN. CONTR. NO. N62467-00-C-0397

NAVFAC DRAWING NO. 5385627

SHEET 81 OF -

S206

Naval Facilities Engineering Command

Southern Division

Charleston, South Carolina

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

SECTIONS AND DETAILS

APPROVED DATE EFD FOR COMMANDER, NAVFAC

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

KBJ Architects, Inc. AAC00001
510 North Julia Street
Jacksonville, Florida 32202

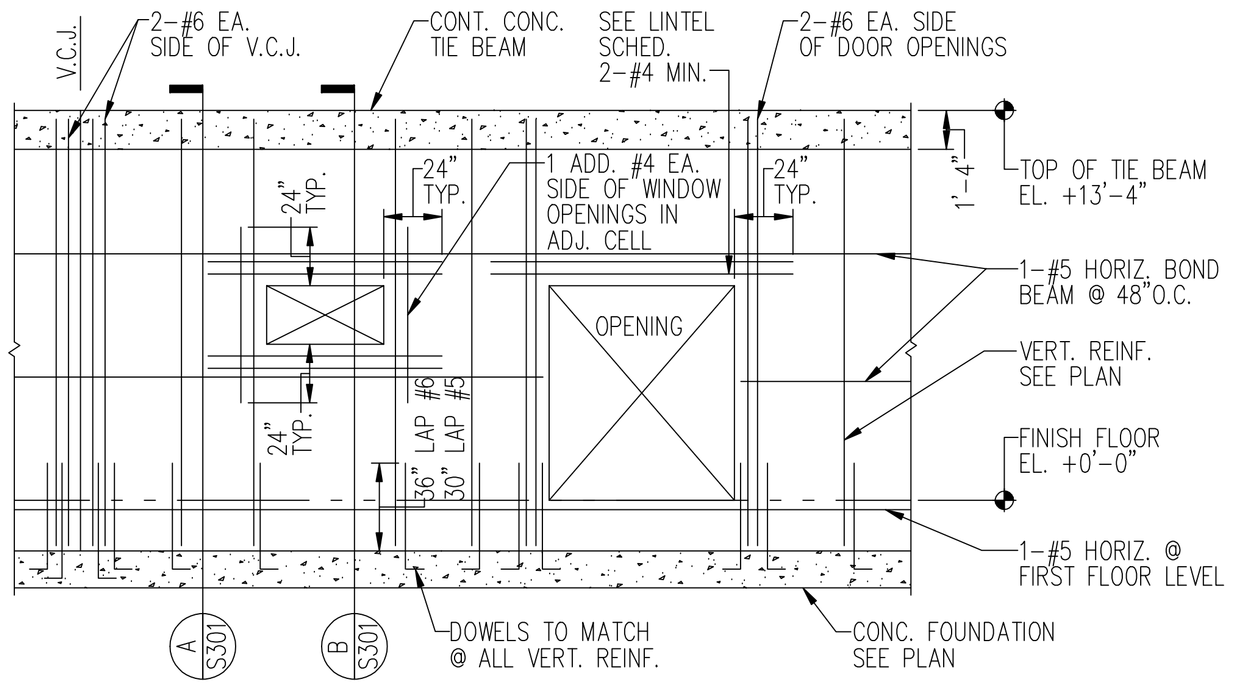
DSGN TLA DR ARJ CHK DLW

SUPV RUTH CH ENGR MJK

SUBMITTED BY (FIRM MEMBER-TITLE): DATE 15 JUNE 2001

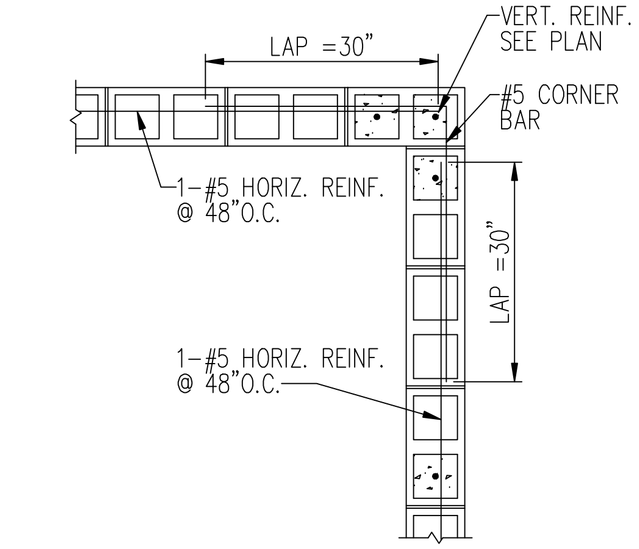
TECHNICAL BRANCH

FPE JIM RITCHIE



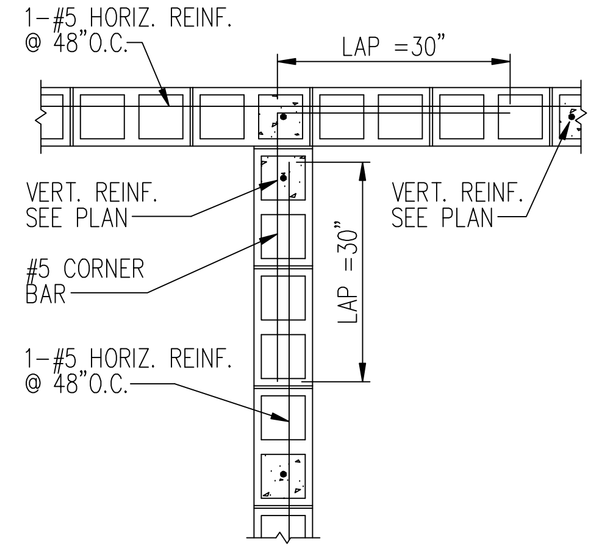
TYPICAL EXTERIOR CMU WALL REINFORCMENT

SCALE: 1/4" =1'–0"



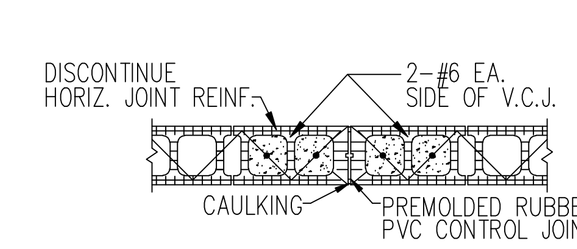
C S301 TYPICAL BOND BEAM AT WALL CORNER

SCALE: 3/4" =1'–0"



D S301 TYPICAL BOND BEAM AT WALL INTERSECTION

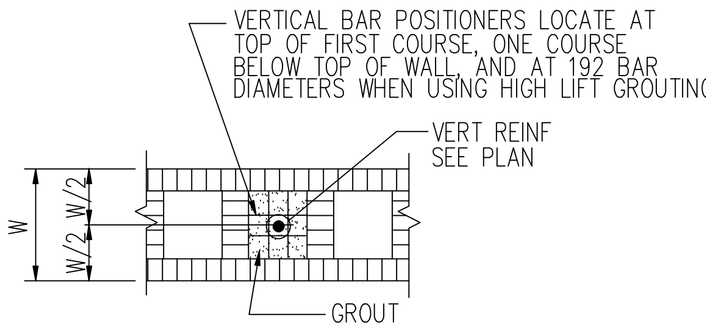
SCALE: 3/4" =1'–0"



NOTE: SUBMIT CONTROL JOINT PLAN TO ARCH. FOR REVIEW.

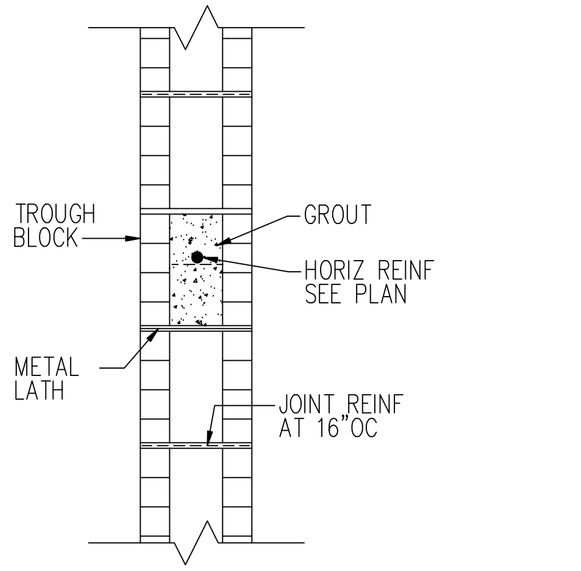
E S301 MASONRY CONTROL JOINT DETAIL

SCALE: 3/4" =1'–0"



F S301 VERTICAL CELL REINFORCEMENT DETAIL

SCALE: 1 1/2" =1'–0"



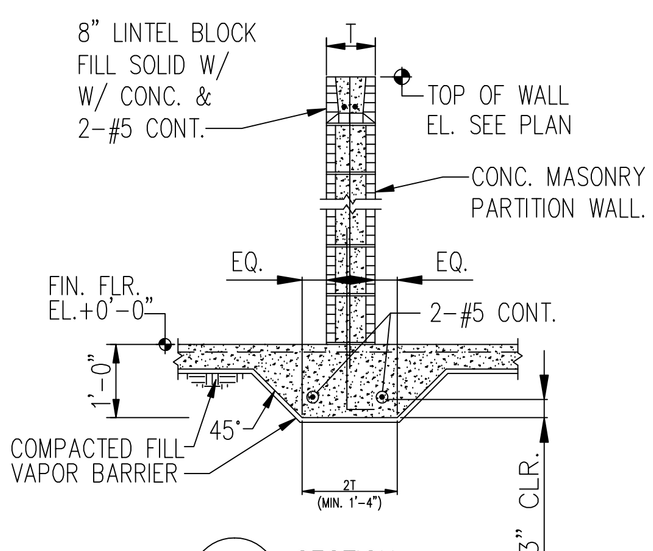
G S301 HORIZONTAL REINFORCING

SCALE: 1 1/2" =1'–0"

NON–LOAD BEARING LINTEL SCHEDULE

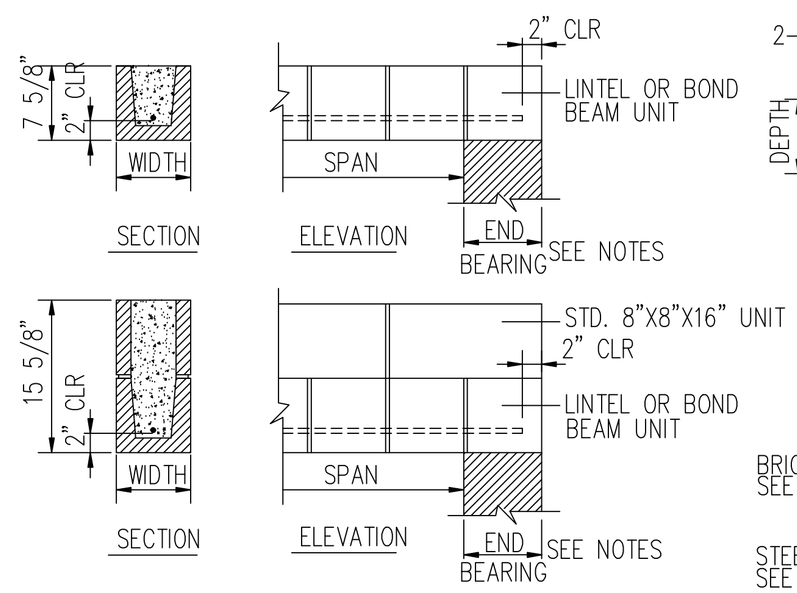
OPENING = "L" (FT)	WALL DIMENSION AND REINFORCING								FOR EACH 4" OF WALL THICKNESS OR BRICK
	LINTEL DEPTH	MASONRY BLOCK WIDTHS			LINTEL DEPTH	PRECAST CONCRETE WIDTHS			STEEL
		8" WALL	10" WALL	12" WALL		8" WALL	10" WALL	12" WALL	
0'–0" < L < 2'–0"	7 5/8"	1–#4	1–#4	1–#4	8"	1–#4	1–#4	1–#4	L 3 1/2 X 3 1/2 X 1/4
2'–0" < L < 3'–4"	7 5/8"	1–#4	1–#4	1–#4	8"	1–#4	1–#4	1–#4	L3 1/2 X 3 1/2 X 1/4
3'–4" < L < 4'–8"	7 5/8"	1–#4	1–#4	1–#4	8"	1–#4	1–#4	1–#4	L3 1/2 X 3 1/2 X 1/4
4'–8" < L < 6'–0"	7 5/8"	2–#4	1–#5	1–#5	8"	1–#4	1–#4	1–#4	L4 X 3 1/2 X 1/4 LLV
6'–0" < L < 7'–4"	15 5/8"	1–#4	1–#4	1–#4	8"	1–#4	1–#5	1–#5	L5 X 3 1/2 X 1/4 LLV
7'–4" < L < 8'–8"	15 5/8"	1–#4	1–#4	1–#5	8"	1–#5	2–#5	2–#5	L6 X 3 1/2 X 5/16 LLV
8'–8" < L < 10'–0"	15 5/8"	1–#5	1–#5	1–#6	8"	2–#4	2–#5	2–#6	L6 X 3 1/2 X 5/16 LLV

NOTES:
1. DO NOT USE THIS SCHEDULE IF CONCENTRATED LOADS ARE APPLIED
2. PROVIDE 8" BEARING AT EACH END (MIN) FOR 7 5/8" DEPTH, 16" FOR 15 5/8" DEPTH
3. ALL EXTERIOR LINTEL ANGLES SHALL BE HOT DIP GALVANIZED.
4. " f'm " FOR MASONRY CONSTRUCTION SHALL BE 1350 psi MIN.
5. " f'c " FOR PRECAST CONCRETE SHALL BE 4000 psi MIN.
6. MASONRY LINTEL REINFORCING SHALL BE PLACED AS SHOWN.
7. PRECAST CONCRETE LINTEL REINFORCING SHALL BE PLACED AS SHOWN.

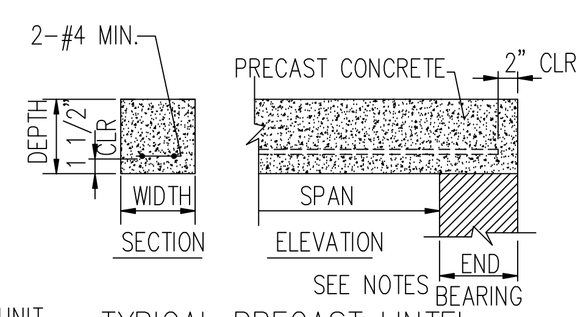


1 S301 SECTION

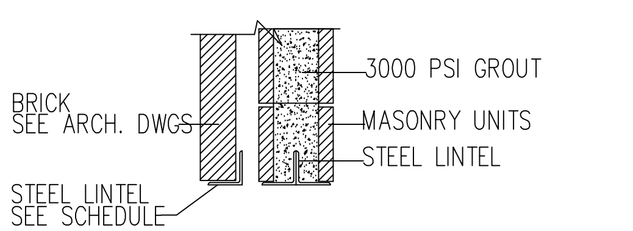
SCALE: 3/4" =1'–0"



TYPICAL MASONRY LINTEL



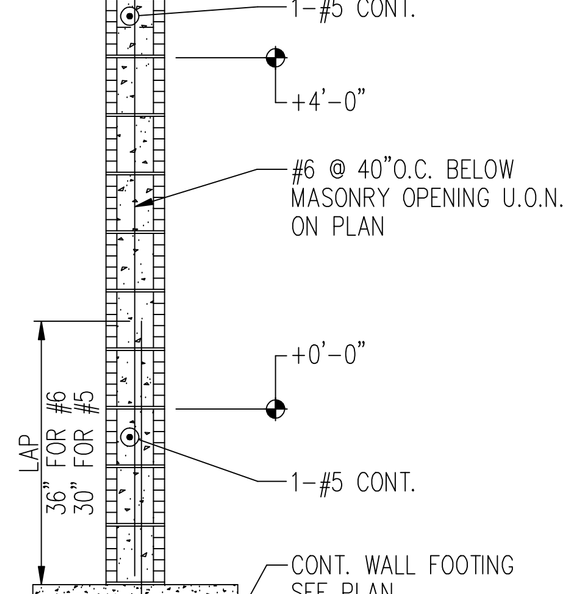
TYPICAL PRECAST LINTEL



TYPICAL STEEL LINTELS

A S301 SECTION

SCALE: 3/4" =1'–0"



B S301 SECTION

SCALE: 3/4" =1'–0"

KBJ Architects, Inc. AAC000001
510 North Julia Street 32202
Jacksonville, Florida

		DSGN	TLA
		DR	ARJ
		CHK	DLW
		SUPV	RUTH
		CH ENGR	MJK
		SUBMITTED BY (FIRM MEMBER–TITLE):	DATE 15 JUNE 2001
		TECHNICAL BRANCH	
		FPE	JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

TYPICAL MASONRY DETAILS

DATE EFD FOR COMMANDER, NAVFAC

APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

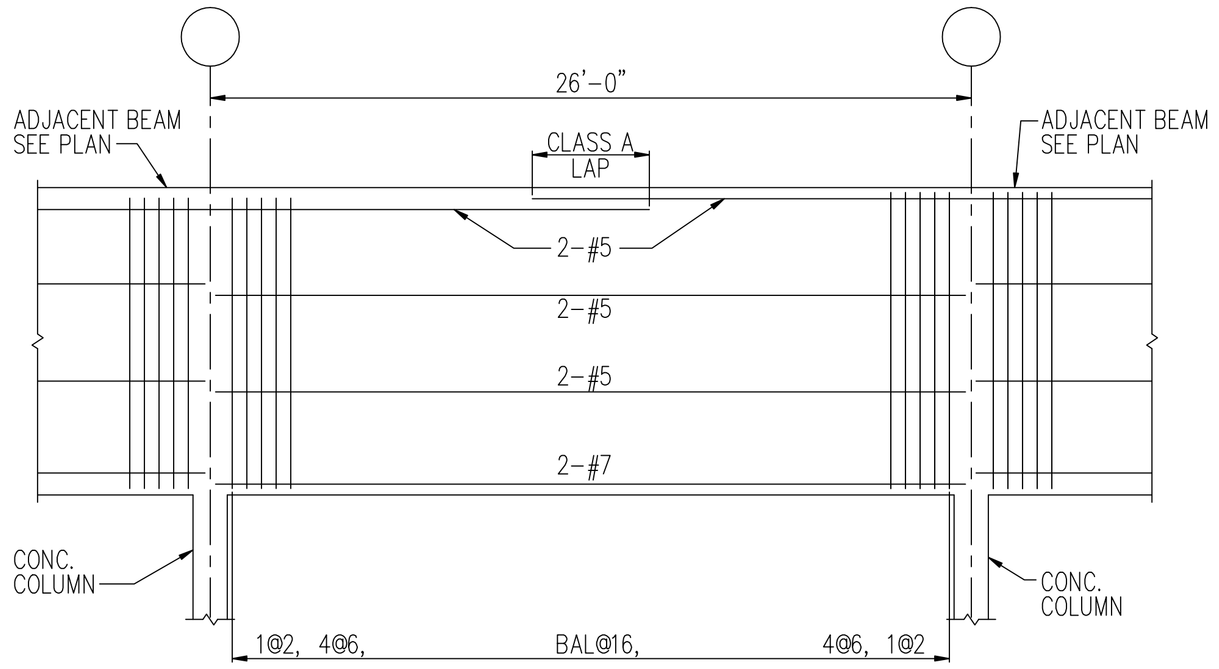
RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06–00–0397
CONSTRN. CONTR. NO.	N62467–00–C–0397
NAVFAC DRAWING NO.	5385628
SHEET	82 OF –

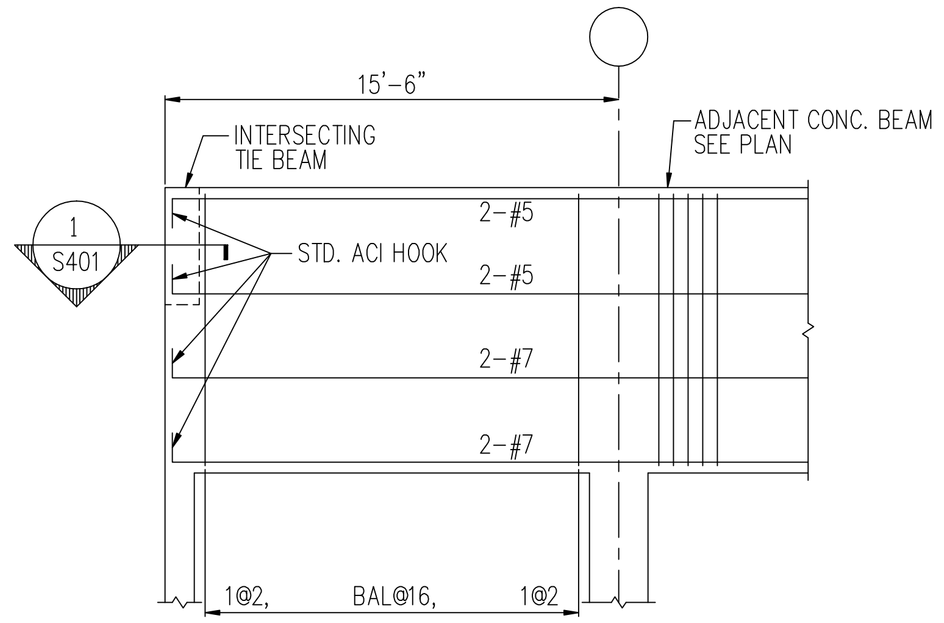
S301

0 6" 1' 2' 3' 4'

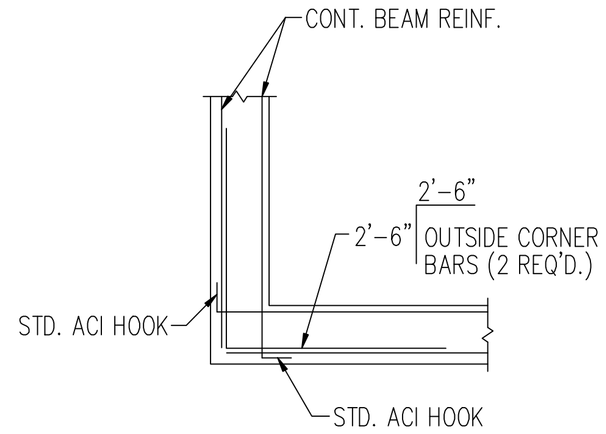
SCALE: 3/4"=1'–0"



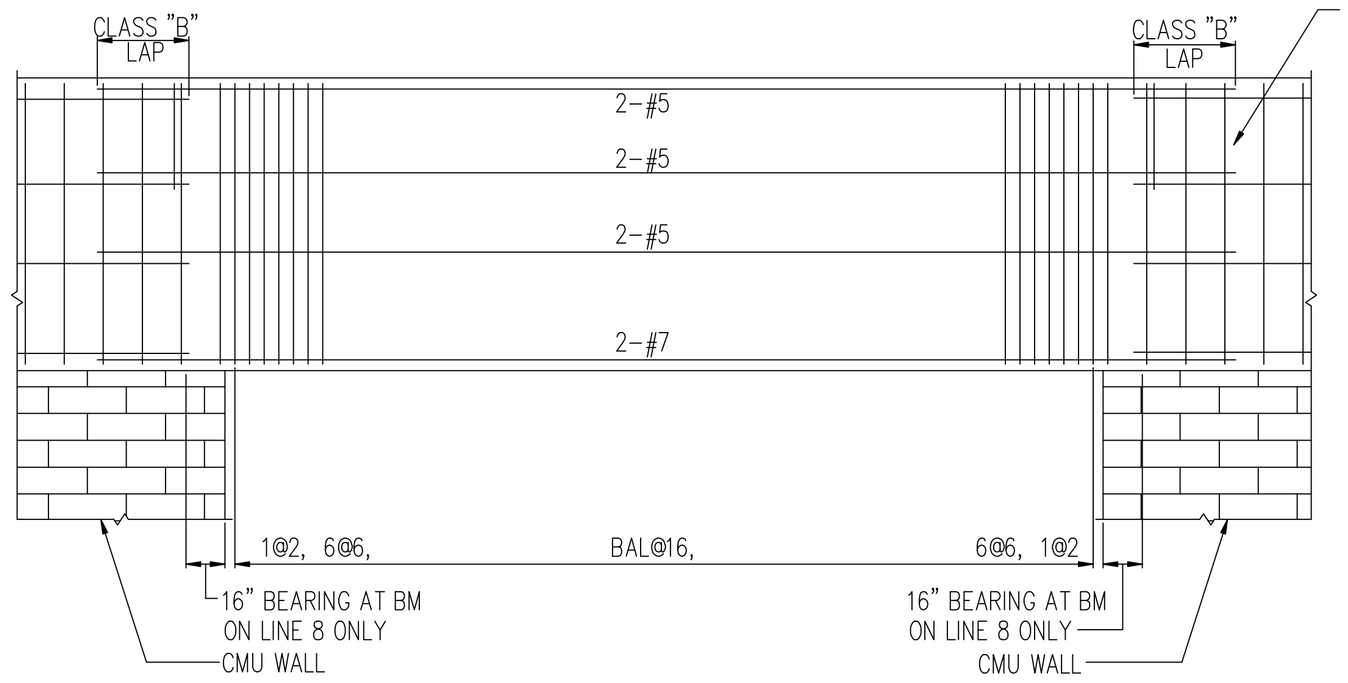
#3 TYP. CB-1 (7 5/8" W X 3'-4" D)
SCALE: 1/4"H, 3/4"V



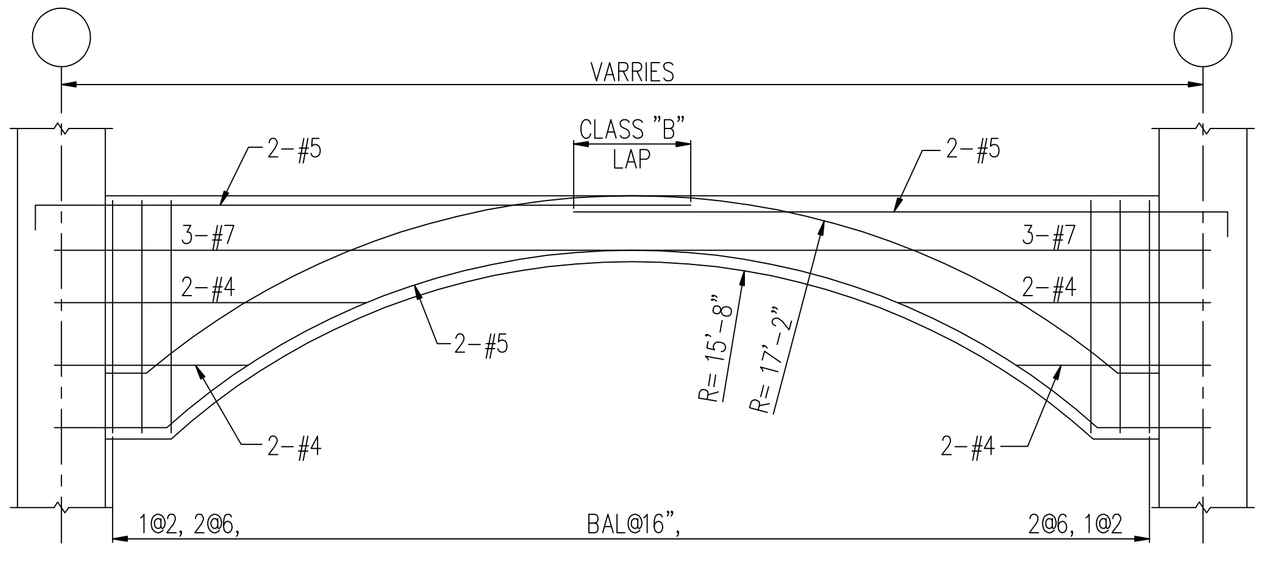
#3 TYP. CB-2 (7 5/8" W X 3'-4" D)
SCALE: 1/4"H, 3/4"V



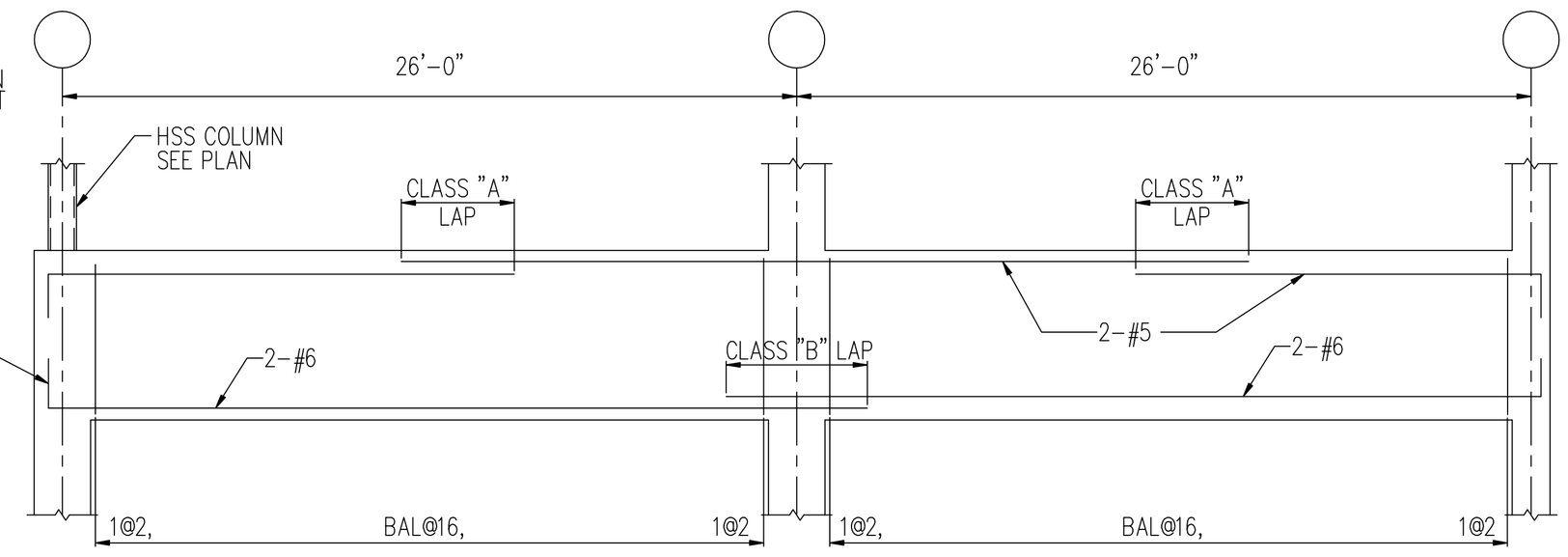
1 S401 SECTION
SCALE: 3/4" = 1'-0"



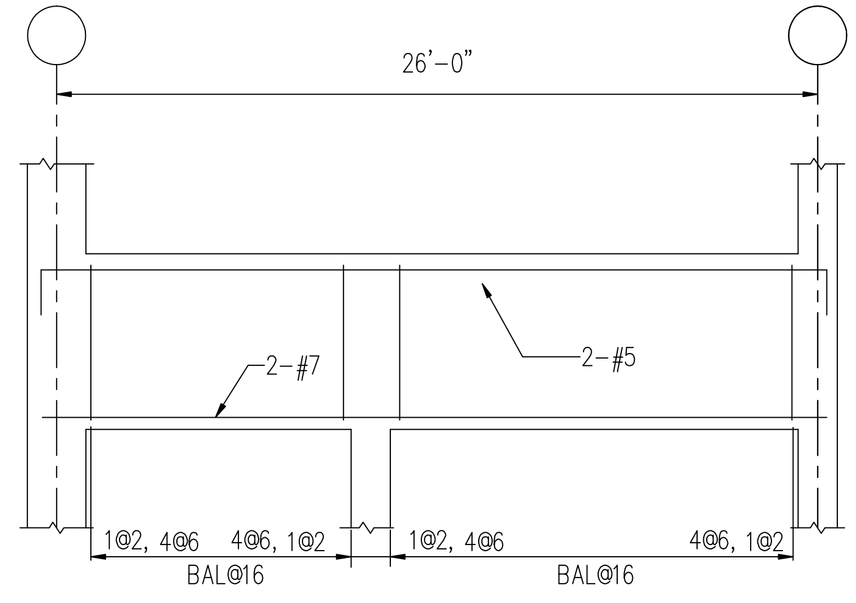
#3 TYP. CB-3 (7 5/8" W X 3'-4" D)
SCALE: 1/4"H, 3/4"V



#3 TYP. CB-5 (VARIES, SEE 1/S203)
SCALE: 3/8" H&V



#3 TYP. CB-4 (12" W X 22 1/2" D)
SCALE: 1/4"H, 3/4"V



#3 TYP. CB-46 (7 5/8" W X 24" D)
SCALE: 1/4"H, 3/4"V

0 6" 1' 2' 3' 4'
SCALE: 3/4"=1'-0"

0 1' 2' 5' 8' 11'
SCALE: 1/4"=1'-0"

KBJ Architects, Inc. AAC000078
510 North Julia Street
Jacksonville, Florida 32202

	DSGN	TLA	DR	ARJ	CHK	DLW
	SUPV	RUTH	CH ENGR	MJK		
	SUBMITTED BY (FIRM MEMBER-TITLE):				DATE	15 JUNE 2001
	TECHNICAL BRANCH				FPE	JIM RITCHIE

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

CONCRETE BEAM DIAGRAMS

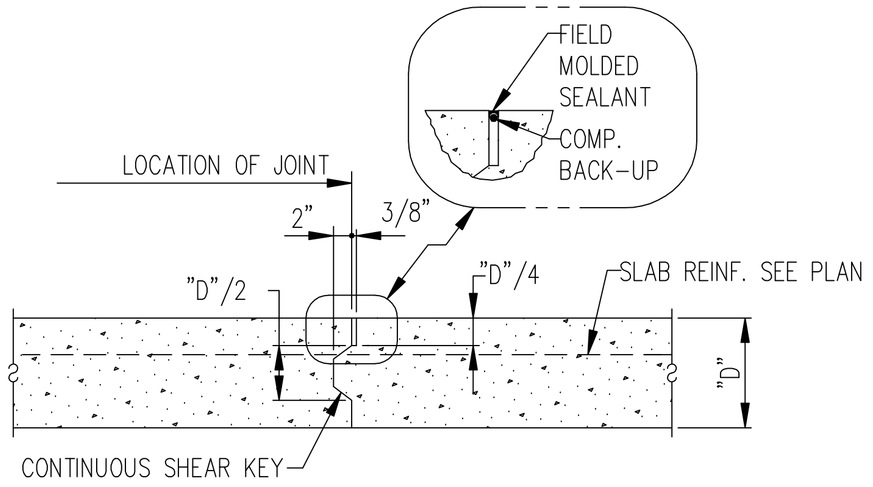
APPROVED
EFD FOR COMMANDER, NAVFAC
DATE

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

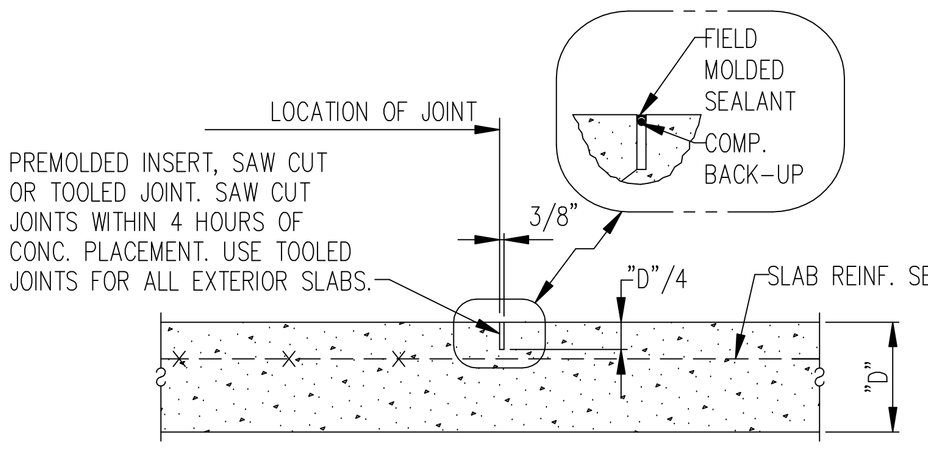
CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385629
SHEET 83 OF –

S401



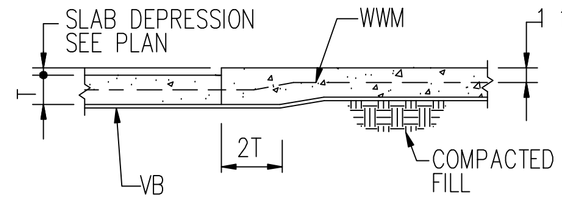
TYPICAL CONSTRUCTION JOINT IN SLAB ON GRADE DETAIL (INDICATED BY C.J. ON PLAN)

1A / S501



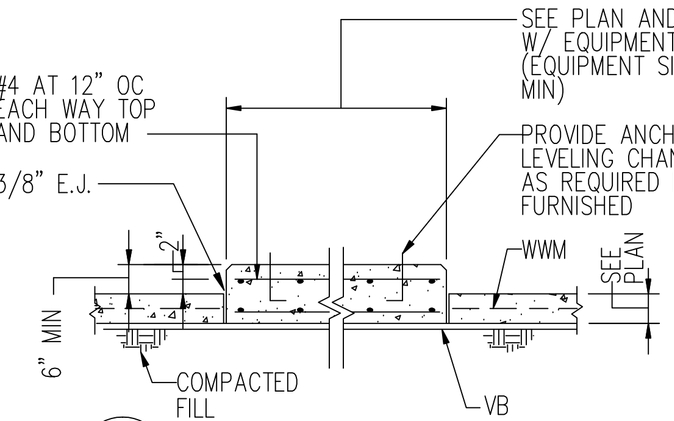
TYPICAL SAWED JOINT IN SLAB ON GRADE DETAIL (INDICATED BY S.J. ON PLAN)

1B / S501



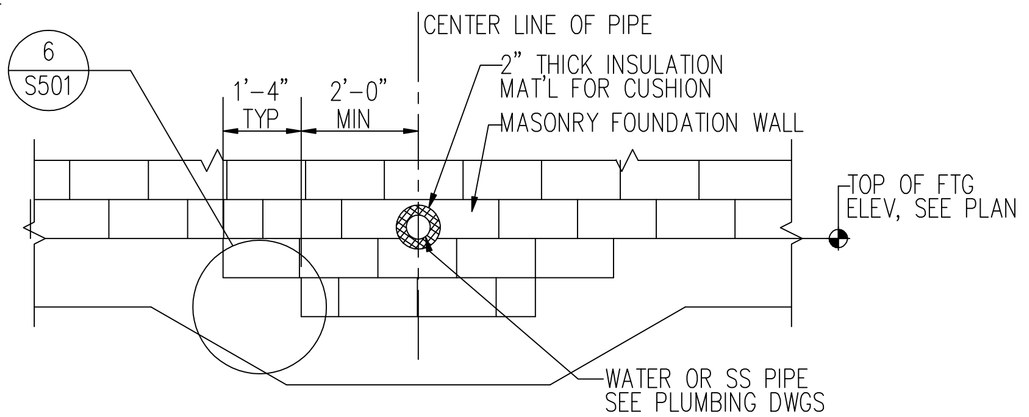
2 / S501 TYPICAL SLAB DEPRESSION

T= SLAB THICKNESS SEE PLAN

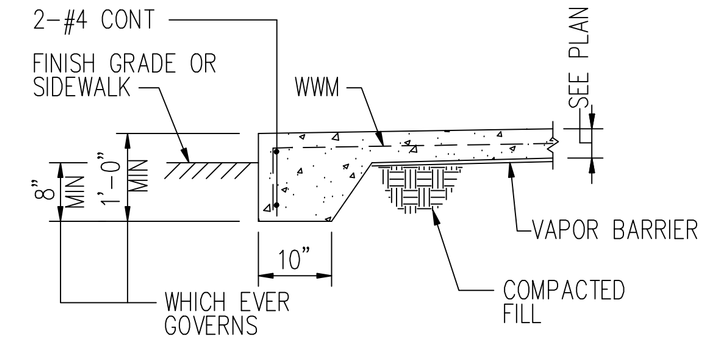


3 / S501 TYPICAL EQUIPMENT PAD

CONSTRUCTION JOINT DETAILS



4 / S501 TYPICAL PIPE INTERSECTION W/ WALL

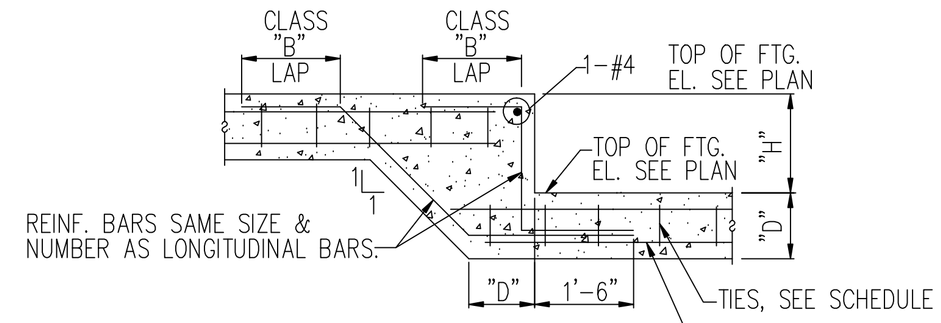


5 / S501 TYPICAL TURNDOWN SLAB

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

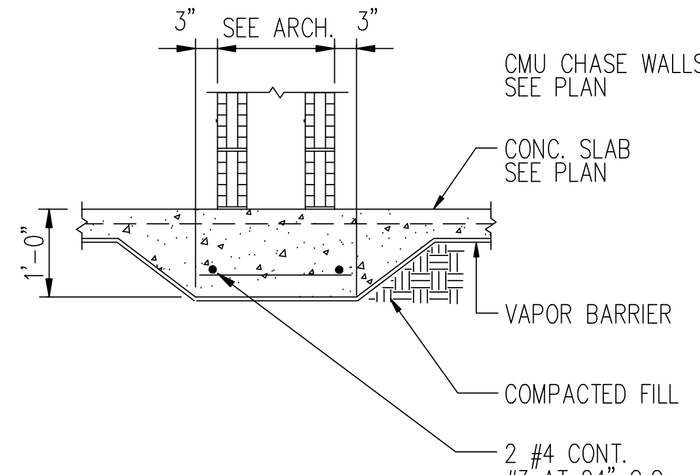
NOTE:

IF CONSTRUCTION/CONTROL JOINTS ARE NOT SHOWN ON PLAN CONTRACTOR TO PROVIDE CONSTRUCTION JOINT PLAN TO LIMIT AREAS TO APPROX. 300 SQ. FEET, MAX. RECOMMENDED PANEL LENGTH RATIO (1.5:1), SUBJECT TO ARCHITECTS REVIEW.



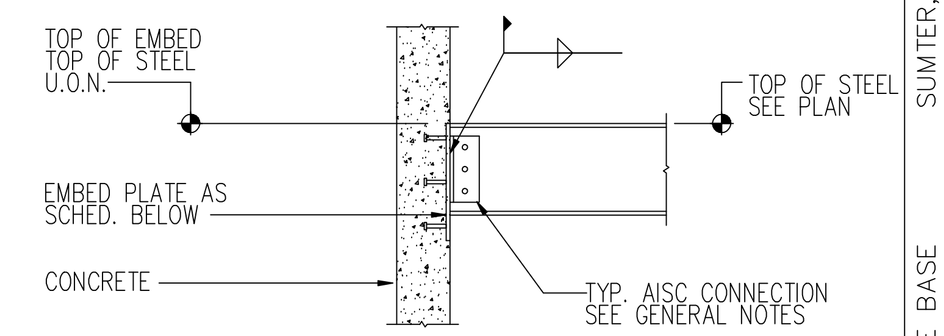
6 / S501 TYPICAL STEPPED FOOTING

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



7 / S501 TYPICAL THICKENED SLAB

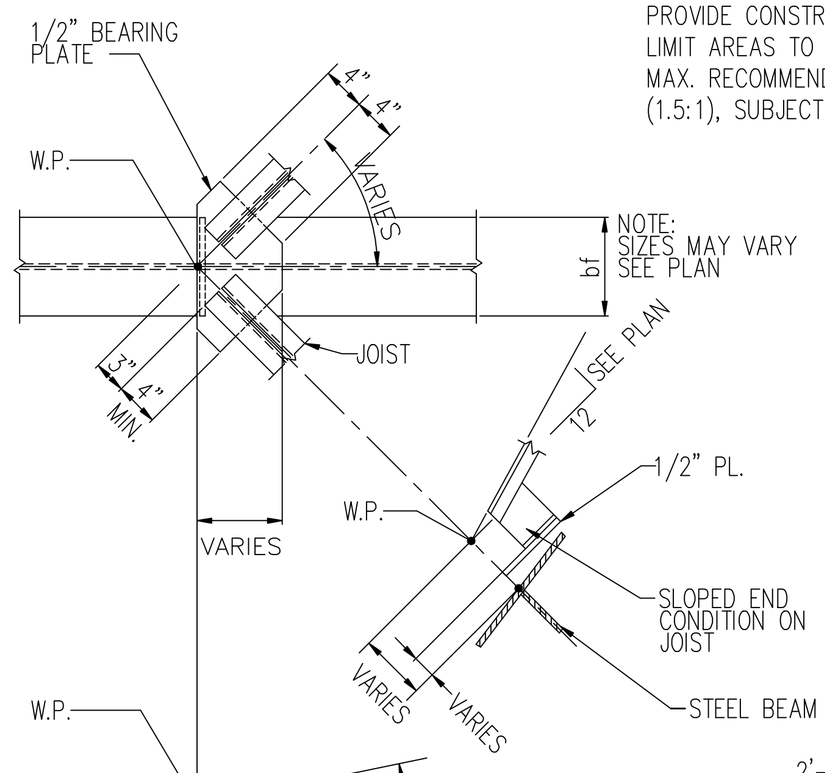
SCALE: 3/4"=1'-0"



B / S501 STEEL BEAM TO CONCRETE CONNECTIONS

SCALE: 3/4=1'-0"

STEEL BEAM	EMBED #
W8 AND W10	1
W12 THRU W16	2
W18 THRU W21	3
W24 THRU W27	4

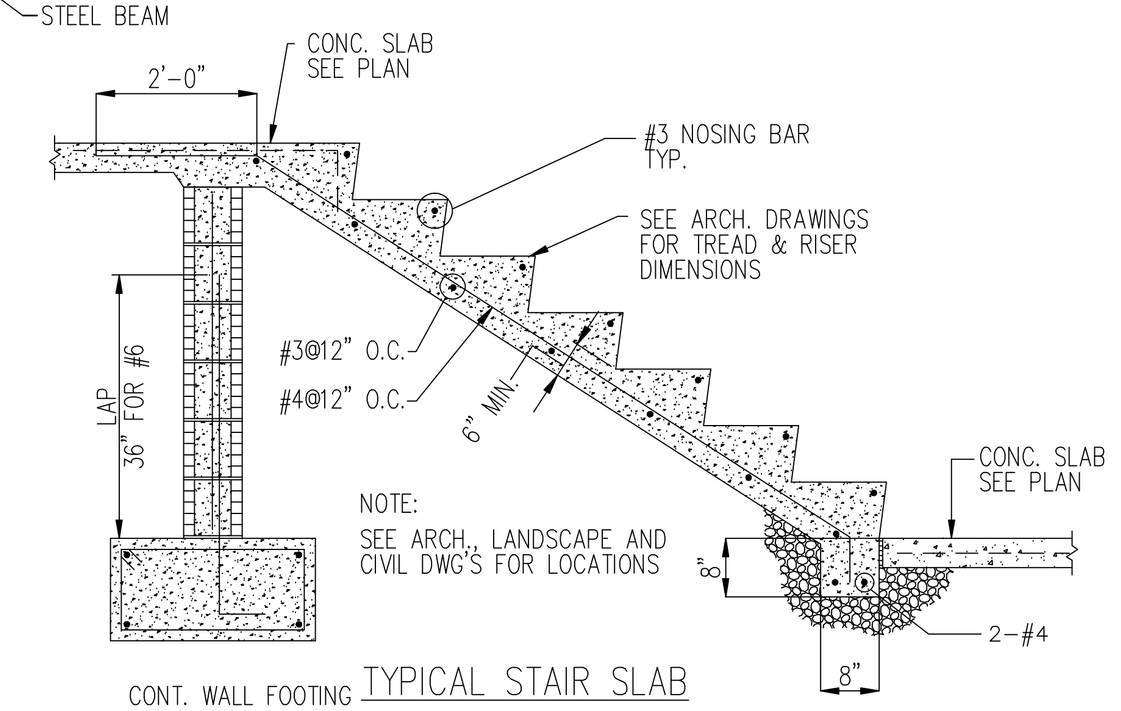


8 / S501 BEARING PLATE DETAIL

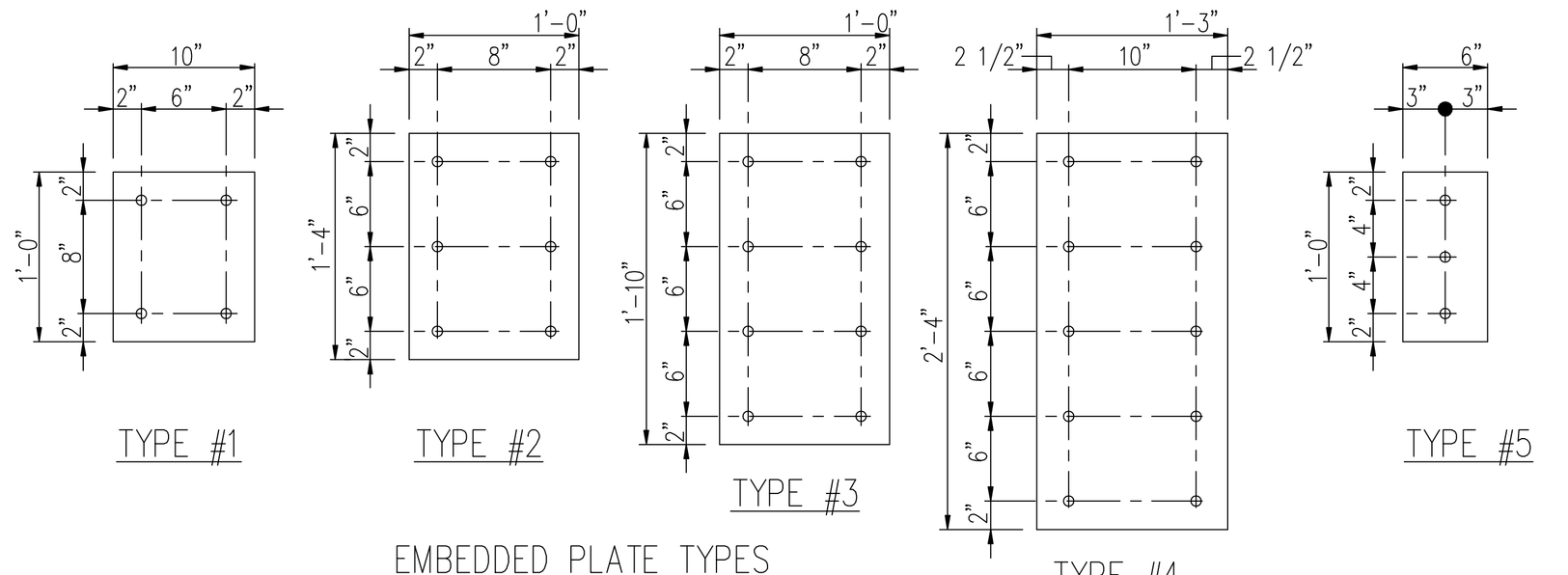
SCALE: 11/2"=1'-0"

NOTES:

1.. PROVIDE 3/16"X8' CONTINUOUS BENT PLATE AT HIP FOR METAL DECK SUPPORT (TYPICAL)



9 / S501 TYPICAL STAIR SLAB ON GRADE DETAIL



EMBEDDED PLATE TYPES

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

NOTES:

ALL PLATES 1/2" THICK

ALL STUDS 3/4"X4"

0 6" 1' 2' 3' 4'

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

KBJ Architects, Inc. AAC000070
510 North Julia Street
Jacksonville, Florida 32202

		CHK	DLW		
DSGN	TLA	DR	ARJ	CH ENGR	MJK
SUPV	RUTH	SUBMITTED BY (FIRM MEMBER-TITLE):			DATE 15 JUNE 2001
TECHNICAL BRANCH					
FPE	JIM RITCHIE				

DRAWING REVISIONS

Rev.	Description	Prep By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

COLUMN SHCEDULE

DATE

EFD FOR COMMANDER, NAVFAC

APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO.	80091
DRAWING SIZE:	D
SPEC. NO.	06-00-0397
CONSTRN. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5385630
SHEET	84 OF –

S501

GENERAL STRUCTURAL NOTES

A.E.S. #300-278

LOADS AND CRITERIA

1. LIVE LOADS:
   a. ROOF . . . . . 20 PSF
   b. MECHANICAL MEZZ . . . . . .100 PSF
2. LATERAL LOADS:
   1. WIND LOADS (ASCE-7, 95)
      a. V = 100 MPH
      b. EXPOSURE C
      c. I = 1.0
   2. EARTHQUAKE LOADS (TI809-04)
      a. SEISMIC USE GROUP: (I) STANDARD OCCUPANCY
      b. PERFORMANCE LEVEL: LS LIFE SAFETY
      c. SITE CLASSIFICATION: CLASS D
      d. Ss = 0.7g ; S1 = 0.23g
      e. R = 4 (All Directions) ; $\sim$ = 2.0 ; Cd = 3.5

GENERAL

100.1. THIS DRAWING HAS BEEN PRODUCED ENTIRELY ON ATLANTIC ENGINEERING SERVICES CADD SYSTEM. ANY OTHER LETTERING, LINES OR SYMBOLS, OTHER THAN PROFESSIONAL STAMPS AND SIGNATURES, HAVE BEEN MADE WITHOUT THE AUTHORIZATION OF ATLANTIC ENGINEERING SERVICES AND ARE INVALID.

100.2. THE STRUCTURAL DRAWINGS SHALL GOVERN THE WORK FOR ALL STRUCTURAL FEATURES, UNLESS NOTED OTHERWISE. THE ARCHITECTURAL DRAWINGS SHALL GOVERN THE WORK FOR ALL DIMENSIONS.

100.3. THE METHOD AND FREQUENCY OF ATTACHING MECHANICAL EQUIPMENT UNITS, ETC., TO THE STRUCTURAL ELEMENTS SHALL BE SUBJECT TO THE ENGINEERS REVIEW AND APPROVAL.

SHOP DRAWINGS

110.1. THE CONTRACTOR SHALL NOT DIRECTLY INCORPORATE THE STRUCTURAL DRAWINGS, OR PORTIONS THEREOF, INTO SHOP DRAWINGS OR ERECTION DRAWINGS TO BE SUBMITTED FOR THIS PROJECT.

110.2. THE REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS FOR THIS PROJECT IS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND FOR GENERAL COMPLIANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. COMMENTS REGARDING THESE SUBMITTALS DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS.

FOUNDATIONS

200.1. FOUNDATIONS HAVE BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH CRITERIA ESTABLISHED BY SOIL CONSULTANTS, INC. IN THEIR GEOTECHNICAL REPORT DATED MARCH 16 2001. (SCI PROJECT# 0121)

200.2. SPREAD FOOTINGS HAVE BEEN DESIGNED TO BEAR ON UNDISTURBED SOILS OR PROPERLY COMPACTED FILL HAVING AN ALLOWABLE BEARING CAPACITY OF 2000 PSF, AS PER 200.1.

200.3. AS PER THE SCI GEOTECHNICAL REPORT, REMEDIAL SITE PREPARATION IN THESE AREAS, IT IS ANTICIPATED THAT THE WEAKER CLAYS AND SANDS RANGING FROM 4 ± FEET TO 7 FEET BELOW EXISTING GRADE SHALL BE REQUIRED TO BE EXCAVATED AND REPLACED WITH COMPACTED FILL. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN A COPY OF THE REPORT AND PERFORM ALL SITE PREPARATION REQUIREMENTS OUTLINED IN THE "FOUNDATION CONSIDERATIONS" SECTION OF THIS REPORT.

200.4. NO BACKFILLING AGAINST FOUNDATION WALLS SHALL BE PERMITTED UNTIL SUPPORTING STRUCTURAL ELEMENTS HAVE BEEN PLACED AND HAVE BECOME CAPABLE OF FURNISHING THE NECESSARY SUPPORT FOR THE WALLS. PROVIDE TEMPORARY SHORING WHERE REQUIRED. WHERE BACKFILL IS REQUIRED ON BOTH SIDES OF THE WALL, BACKFILL BOTH SIDES SIMULTANEOUSLY WITH A GRADE DIFFERENCE NOT TO EXCEED 2'-0" AT ANY TIME. CONTRACTOR SHALL USE EXTREME CAUTION DURING BACKFILLING TO PREVENT DAMAGE TO FOUNDATION WALLS. THE USE OF HEAVY EQUIPMENT FOR BACKFILLING IS NOT RECOMMENDED.

200.5. THE CONTRACTOR SHALL OBSERVE WATER CONDITIONS AT THE SITE AND TAKE THE NECESSARY PRECAUTIONS TO INSURE THAT THE FOUNDATION EXCAVATIONS REMAIN DRY DURING CONSTRUCTION. PROVIDE FOR DEWATERING AS NECESSARY.

REINFORCED CONCRETE

300.1. ALL REINFORCED CONCRETE WORK SHALL BE IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318, 99) AND SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301, LATEST EDITION) OF THE AMERICAN CONCRETE INSTITUTE.

300.2. MINIMUM f'c REQUIRED AT 28 DAYS:
   a. FOOTINGS, SLABS ON GRADE f'c = 3000 PSI
   b. COLUMNS, BEAMS f'c = 4000 PSI

300.3. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE (144 PCF +) WITH ALL CEMENT CONFORMING TO ASTM C150, TYPE I. MAXIMUM AGGREGATE SIZE SHALL BE 1-1/2" FOR FOOTINGS AND 3/4" FOR COLUMNS AND SLABS, CONFORMING TO ASTM C33.

300.4. REINFORCEMENT
   a. DEFORMED BARS . . . . . .ASTM A615, GRADE 60
   b. WELDED WIRE FABRIC . . . . . ASTM A185.

300.5. MINIMUM COVER FOR CAST-IN-PLACE CONCRETE REINF., UNLESS OTHERWISE SHOWN ON DRAWINGS, SHALL BE AS FOLLOWS:
   FOOTINGS & GRADE BEAMS . . . . . 3"
   COLUMNS & PEDESTALS (OVER VERT. REINF.) . . . . . 2"
   BEAMS (OVER MAIN REINF.) . . . . . 2"
   SLABS CAST AGAINST EARTH. . . . . .CENTERED

300.6. SPLICES IN REINFORCEMENT, WHERE PERMITTED, SHALL BE AS FOLLOWS
   WELDED WIRE MESH . . . . . 8"
   ALL OTHERS . . . . . CLASS "B" TENSION, CASE "1" MINIMUM UNLESS OTHERWISE NOTED

300.7. CLASS "B" CASE "1" TENSION SPLICES IN INCHES, SHALL BE AS FOLLOWS:

	3000 PSI		4000 PSI	
	TOP BARS	ALL OTHERS	TOP BARS	ALL OTHERS
#3 (#10)	28	22	24	19
#4 (#13)	37	29	32	25
#5 (#16)	47	36	40	31
#6 (#19)	56	43	48	37
#7 (#22)	81	63	70	54
#8 (#25)	93	72	80	62

300.8. SPLICES IN TOP REINFORCEMENT SHALL BE MADE AT MIDSPAN. SPLICES IN BOTTOM REINFORCEMENT SHALL BE OVER SUPPORTS UNLESS NOTED OTHERWISE.

300.9. TOP BARS IN BEAMS SHALL TERMINATE IN A CLASS "B" TENSION SPLICE OR HOOK AT DISCONTINUOUS END.

300.10. ALL TIES SHALL HAVE 135 DEGREE HOOKS.

300.11. PROVIDE 1/2" PREMOULDED EXPANSION MATERIAL WHERE SLAB ON GRADE IS POURED AROUND COLUMNS AND AGAINST WALLS UNLESS OTHERWISE SHOWN ON DRAWINGS.

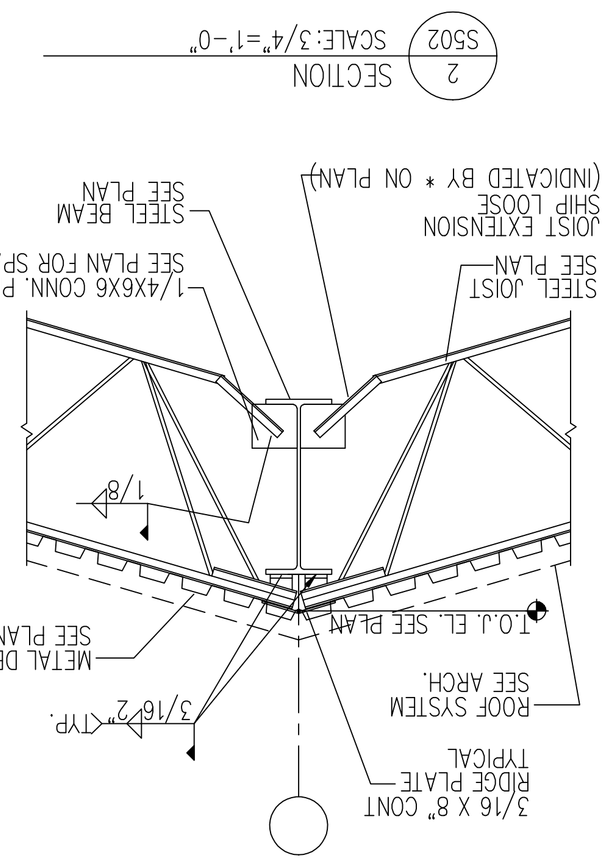
300.12. CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ETC., AS REQUIRED FOR MECHANICAL TRADES BEFORE CONCRETE IS PLACED.

CONCRETE ANCHORS

350.1. ALL HEADED CONCRETE ANCHORS SHALL BE NELSON 3/4 INCH DIAMETER X 4" INCH H4L ANCHORS WITH FLUXED ENDS AS MANUFACTURED BY NELSON STUD WELDING COMPANY, UNLESS THE SIZE IS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

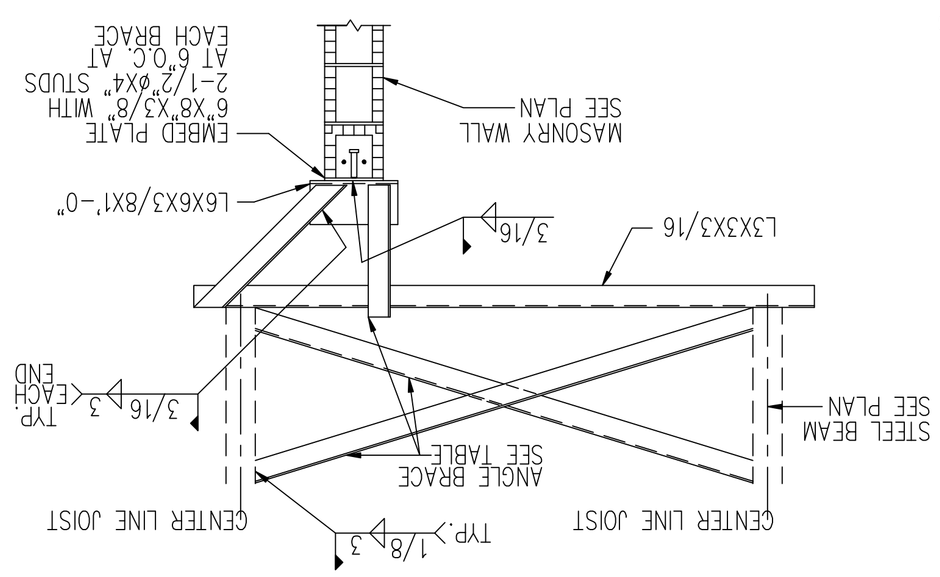
350.2. ALL HEADED CONCRETE ANCHORS SHALL BE MANUFACTURED FROM MATERIAL WHICH CONFORMS TO ASTM A108 FOR LOW CARBON STEEL.

350.3. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH STRUCTURAL WELDING CODE ANSI/AWS D1.1-00 OF THE AMERICAN WELDING SOCIETY AND THE RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.

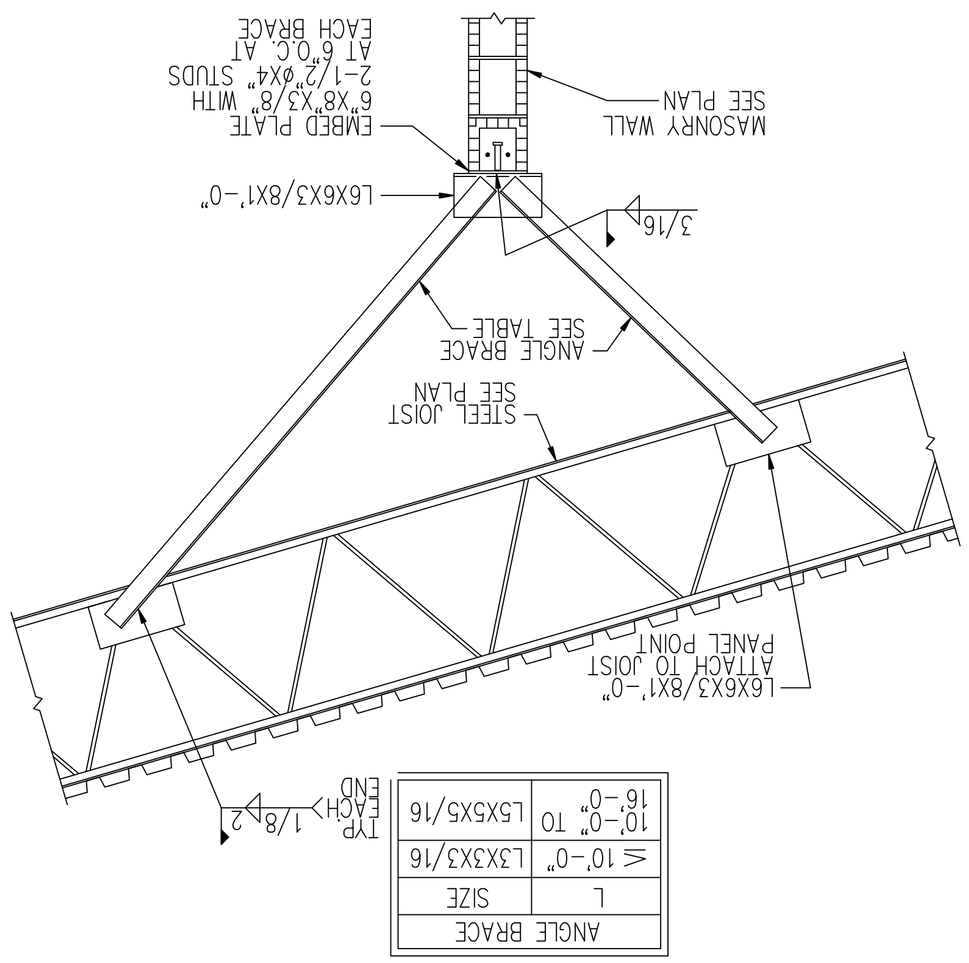


2 SECTION S502 SCALE: 3/4"=1'-0"

NOTES:
PROVIDE BRACES @ 12'-0" O.C. MAX.
FOR UNSUPPORTED INTERIOR WALLS.
SUPPORTED WHEN THE DISTANCE BETWEEN INTERSECTING WALLS AT RIGHT ANGLES DOES NOT EXCEED 20'-0"



3 SECTION S502 SCALE: 3/4"=1'-0"



ANGLE BRACE	
L	SIZE
≤ 10'-0"	L3X3X3/16
10'-0" TO 16'-0"	L5X5X5/16

1 SECTION S502 SCALE: 3/4"=1'-0"

KBJ Architects, Inc. AAC000071
510 North Julia Street
Jacksonville, Florida 32202

	DSGN	DR	CH
	TLA	ARJ	DLW
SUPV	RUTH	CH ENGR	M.IK
SUBMITTED BY (FIRM MEMBER-TITLE):			DATE
TECHNICAL BRANCH			15 JUNE 2001
FPE			
JIM RITCHIE			

Rev.	Description	Prep By	Date	Approv.
	ASBUILT			

DRAWING REVISIONS

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

GENERAL NOTES

APPROVED

DATE

EFD FOR COMMANDER, NAVFAC

RECORD DRAWING DATE	
CODE I.D. NO.	80091
SPEC. NO.	06-00-0397
DRAWING SIZE:	D
CONSTR. CONTR. NO.	N62467-00-C-0397
NAVFAC DRAWING NO.	5386531
SHEET 85 OF -	

S502

MASONRY

420.1. ALL MASONRY WORK SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530) AND THE "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1) OF THE AMERICAN CONCRETE INSTITUTE.

420.2. ALL MASONRY WORK TO BE EXECUTED IN COLD WEATHER SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS FOR COLD WEATHER CONSTRUCTION OF THE LATEST EDITION OF "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530) AND THE "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1) OF THE AMERICAN CONCRETE INSTITUTE WITH THE FOLLOWING ADDITION TO THE REQUIREMENTS OF ACI 530.1 SECTION 1.8-B: FOR ALL CONDITIONS WHEN TEMPERATURES FALL BELOW 40 DEGREES F, THE TEMPERATURE OF THE NEWLY LAID MASONRY OR NEWLY GROUTED MASONRY SHALL BE MAINTAINED ABOVE 32 DEGREES (F) FOR A MINIMUM OF 24 HOURS USING THE METHODS DESCRIBED IN ACI 530.1.

420.3. MORTAR CONFORMING TO ASTM C270, TYPE M OR S. ALL PORTLAND CEMENT SHALL CONFORM TO ASTM C150 TYPE I, LIME SHALL CONFORM TO ASTM C207, AND MASONRY CEMENT SHALL CONFORM TO ASTM C91.

420.4. GROUT . . . . . .ASTM C476.
a. F'c OF GROUT. . . . . 3000 PSI MIN.

420.5. CONCRETE BLOCK UNITS
a. HOLLOW LOAD BEARING UNITS PER ASTM C90, TYPE N-II, AS REQUIRED TO PROVIDE f'm AS NOTED BELOW.

420.6. MINIMUM 28 DAY ULTIMATE COMPRESSIVE STRENGTH OF MASONRY
a. f'm . . . . . .1500 PSI..

420.7. FULL BED AND HEAD JOINTS SHALL BE USED.

420.8. ALL MASONRY WALLS SHALL BE SECURELY BRACED UNTIL FLOOR OR ROOF SYSTEM HAS BEEN INSTALLED AND HAS BECOME CAPABLE OF STABILIZING THE WALLS.

420.9. REINFORCED MASONRY UNITS SHALL BE FILLED SOLID WITH 3000 PSI GROUT AS SHOWN ON PLANS.

420.10. PROVIDE CLEAN OUT AND INSPECTION HOLES AT BOTTOM OF MASONRY WALL AT REINFORCING IF HIGH LIFT GROUTING (OVER 4 FEET HIGH) IS USED.

420.11. MINIMUM LAP SPLICE FOR REINFORCING IN FILLED MASONRY CELLS SHALL BE 48 BAR DIAMETERS.

420.12. BRICK VENEER ANCHORS SHALL BE SPACED NOT MORE THAN 16.0"C. HORIZONTALLY OR VERTICALLY WITH ADDITIONAL ANCHORS PROVIDED WITHIN 8" OR OPENINGS AND SPACED NOT MORE THAN 16" AROUND PERIMETER. REFER TO UNIT MASONRY SPECIFICATIONS FOR THE TYPE AND INSTALLATION OF BRICK VENEER ANCHORS.

STRUCTURAL STEEL

510.1. ALL STRUCTURAL STEEL WORK SHALL BE IN ACCORDANCE WITH THE "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" (1993 EDITION) OF THE AISC.

510.2. GRADE OF STEEL
a. W SHAPES ONLY . . . . . ASTM A992
b. ALL OTHER MISC. ANGLE, PLATE, CHANNELS, ETC ASTM A36.
c. STEEL PIPE. . . . . .ASTM A53, GRADE B.

510.3. GALVANIZED STRUCTURAL STEEL
a. STRUCTURAL SHAPES AND RODS. . . . . .ASTM A123.
b. BOLTS, FASTENERS AND HARDWARE . . . . . .ASTM A153.

510.4. ALL WELDING SHALL BE IN ACCORDANCE WITH THE STRUCTURAL WELDING CODE, AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. ELECTRODES SHALL BE E70XX FOR MANUAL ARC WELDING AND F7X-EXXX FOR SUBMERGED ARC WELDING.

510.5. ALL BEAM TO COLUMN CONNECTIONS SHALL BE DETAILED AS PER THE CONNECTION SCHEDULE AND DETAILS SHOWN IN THE STRUCTURAL DRAWINGS.

510.6. CUTS, HOLES AND COPING, ETC. REQUIRED FOR OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWING AND MADE IN THE SHOP. CUTS OR BURNING OR HOLES IN STRUCTURAL STEEL IN THE FIELD WILL NOT BE PERMITTED.

510.7. ALTERNATE CONNECTION DESIGNS MAY BE USED IF SUCH DESIGNS ARE SUBMITTED WITH CALCULATIONS AND DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL. HOWEVER, THE ENGINEER SHALL BE THE SOLE JUDGE OF ACCEPTANCE AND THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THOSE SPECIFIED DETAILS SHOWN ON THE DRAWINGS. ALSO NOTE, THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF SUCH ALTERNATE DETAILS WHICH HE PROPOSES.

510.8. ALL STRUCTURAL STEEL WORK, EXCEPT PORTIONS OF MEMBERS TO BE WELDED OR FIREPROOFED, SHALL BE SHOP PAINTED WITH PRIME PAINT AS PER THE AISC "CODE OF STANDARD PRACTICE , 2000" EDITION, SECTION 6.5.

510.9. BEAMS AND GIRDERS SHALL BE CAMBERED AS SHOWN ON THE STRUCTURAL DRAWINGS. CAMBER INDICATED IS THE FINAL FIELD CAMBER, INCLUDING ALL MILL TOLERANCES, AND SHOULD NOT BE EXCEEDED.

510.10. ALL ANCHOR BOLTS SHALL BE ASTM A307 AND A MINIMUM 3/4" DIAMETER UNLESS NOTED OTHERWISE.

OPEN WEB STEEL JOISTS

525.1. ALL OPEN WEB STEEL JOISTS SHALL CONFORM TO THE "STANDARD SPECIFICATIONS AND LOAD TABLES FOR OPEN WEB STEEL JOISTS, K-SERIES OR LH-SERIES" OF THE STEEL JOIST INSTITUTE.

525.2. NO LOADS SHALL BE APPLIED TO THE JOISTS UNTIL ALL BRIDGING HAS BEEN INSTALLED AND THE JOIST ENDS HAVE BEEN SECURED TO THEIR SUPPORTS.

525.3. ALL BRIDGING SHALL BE IN ACCORDANCE WITH SJI REQUIREMENTS.

525.4. PROVIDE EXTENDED ENDS AS INDICATED ON DRAWINGS.

525.5. PROVIDE CAMBER PER SJI REQUIRMENTS.

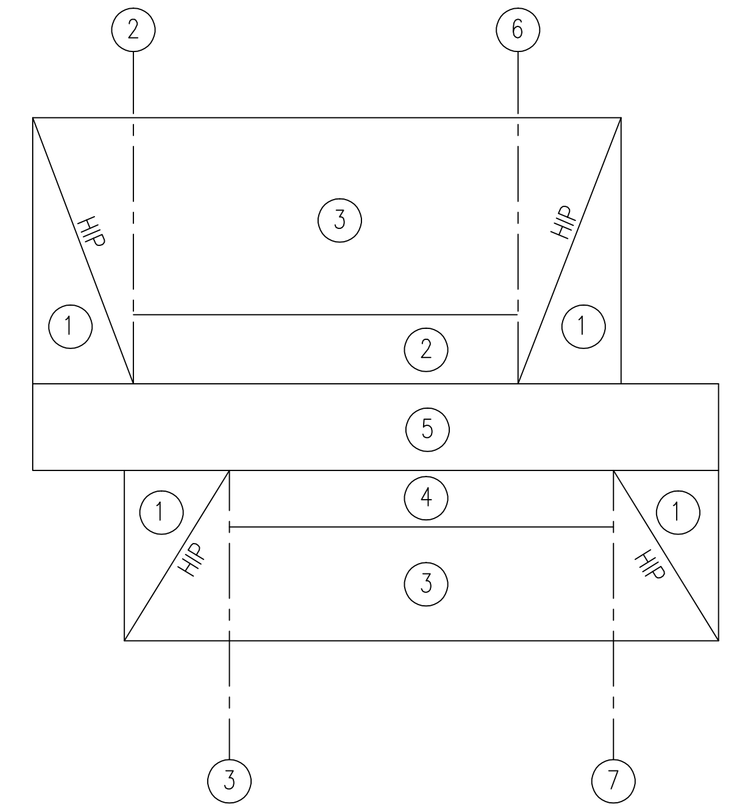
METAL DECKING

530.1. ALL STEEL ROOF DECK SHALL BE IN CONFORMANCE WITH THE "STEEL ROOF DECK SPECIFICATIONS AND LOAD TABLES" OF THE STEEL DECK INSTITUTE, LATEST EDITION.

530.2. ALL STEEL ROOF DECK SHALL BE HAVE A MINIMUM, A YIELD STRENGTH OF NOT LESS THAN 33,000 PSI.

530.3. ALL DECK SHALL BE A MINIMUM OF THREE SPANS CONTINUOUS.

530.4. DECKING CONTRACTOR SHALL COORDINATE OPENING SIZES AND LOCATIONS IN ROOF FROM ARCHITECTURAL AND MECHANICAL DRAWINGS AND PROVIDE HEADER MEMBERS IF REQUIRED AS PER THE TYPICAL DETAILS.



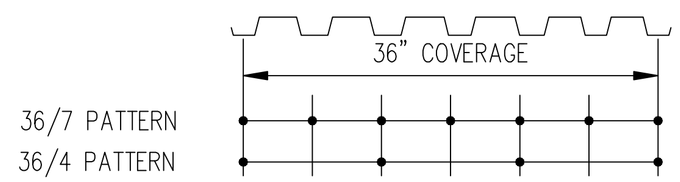
DECK WELDING DIAGRAM

ZONE	PATTERN	NO. OF SIDELAPS	MATERIAL DECK
1	36/7	6	SEE PLAN
2	36/4	6	SEE PLAN
3	36/4	3	SEE PLAN
4	36/7	7	SEE PLAN
5	36/4	4	SEE PLAN

NOTE:

1. USE 5/8"ø PUDDLE WELDS (MIN. FUSION AREA 5/8"X1")
2. SIDELAP FASTENERS ARE #10 TEK SCREWS
3. SEE TYPICAL WELD PATTERNS THIS SHEET
4. WELD DECK AT PERIMETER @ 6" O.C. (EACH CORUGATION)

DECK WELDING SCHEDULE



TYPICAL FASTENER LAYOUTS

KBJ Architects, Inc. AAC00007
510 North Julia Street
Jacksonville, Florida 32202

	DSGN	TLA	DR	ARJ	CHK	DLW
	SUPV	RUTH	CH ENGR	MJK		
	SUBMITTED BY (FIRM MEMBER-TITLE):				DATE	15 JUNE 2001
	TECHNICAL BRANCH					
	FPE	JIM RITCHIE				

DRAWING REVISIONS

Rev.	Description	Prep. By	Date	Apprvd.
	ASBUILT			

SHAW AIR FORCE BASE SUMTER, S.C.

DINING FACILITY

GENERAL NOTES

DATE EFD FOR COMMANDER, NAVFAC

APPROVED

Naval Facilities Engineering Command
Southern Division
Charleston, South Carolina

RECORD DRAWING DATE

CODE I.D. NO. 80091
DRAWING SIZE: D
SPEC. NO. 06-00-0397
CONSTRN. CONTR. NO. N62467-00-C-0397
NAVFAC DRAWING NO. 5385632
SHEET 86 OF –

S503