

8 7 6 5 4 3 2 1

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- PE-21753_3 WORK PLAN, WORK NOTES AND PICTURES - WORK SITE 2- BUILDING 1794 (WHS #384 AND #385)
- PE-21753_4 WORK PLANS AND NOTES - WORK SITE 3 AND 4 - BUILDING 133 (WHS #19, #60, #165, #181, #205, #218, #278, #279, #318 AND #337)
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ABBREVIATIONS

- AFF ABOVE FINISH FLOOR
- TLE TREAD LINE ELEVATION
- WHS WEIGHT HANDLING SYSTEM
- # IDENTIFICATION NUMBER
- DS DISCONNECT SWITCH

GENERAL NOTES (APPLICABLE TO ALL SHEETS):

- G1. THESE DRAWINGS FORM PART OF THE STATEMENT OF WORK (SOW) 2018 CRANES REPLACEMENT AND MODERNIZATION PLAN AND SHALL NOT BE INTERPRETED AS A STAND ALONE DOCUMENT.
- G2. THIS PROJECT INVOLVES THE UPGRADE OF 16 WEIGHT HANDLING SYSTEMS (WHS). WHS ARE SEGREGATED INTO SIX (6) INDEPENDENT WORK SITES LOCATED AMONG FOUR (4) SEPARATE BUILDINGS. REFER TO WORK SITES LOCATION MAP ON THIS SHEET.
- G3. ALL DIMENSIONS AND MAKE AND MODEL INFORMATION PRESENTED ON THESE DRAWINGS ARE AN APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL NECESSARY INFORMATION PRIOR TO ORDERING MATERIAL OR/AND COMMENCING WORK.
- G4. WHERE THE WORD "PROVIDE" IS USED IT SHALL MEAN "FURNISH AND INSTALL".
- G5. WHERE THE WORD "REPLACE" IS USED IT SHALL MEAN "DEMOLISH EXISTING, FURNISH AND INSTALL".

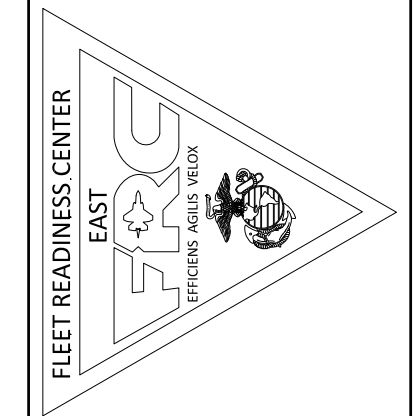
SYMBOL LEGEND	
	EXISTING TO REMAIN
	NEW TO BE INSTALLED OR EXISTING TO BE DEMOLISHED
	TIE - IN POINT
	REMOVE TO POINT INDICATED
	ELECTRICAL DISCONNECTING SWITCH
	SECTION, PLAN OR DETAIL NUMBER
	SHEET WHERE SECTION, PLAN OR DETAIL IS DRAWN
	SHEET WHERE SECTION, PLAN OR DETAIL IS TAKEN
	PIPE 90° TURN DOWN
	PIPE CONTINUATION
	PNEUMATIC CRANE MAIN SHUTT-OFF BALL VALVE
	TROLLEY HOIST UNIT

REV	DESCRIPTION	DATE	APPR.

REVISION HISTORY

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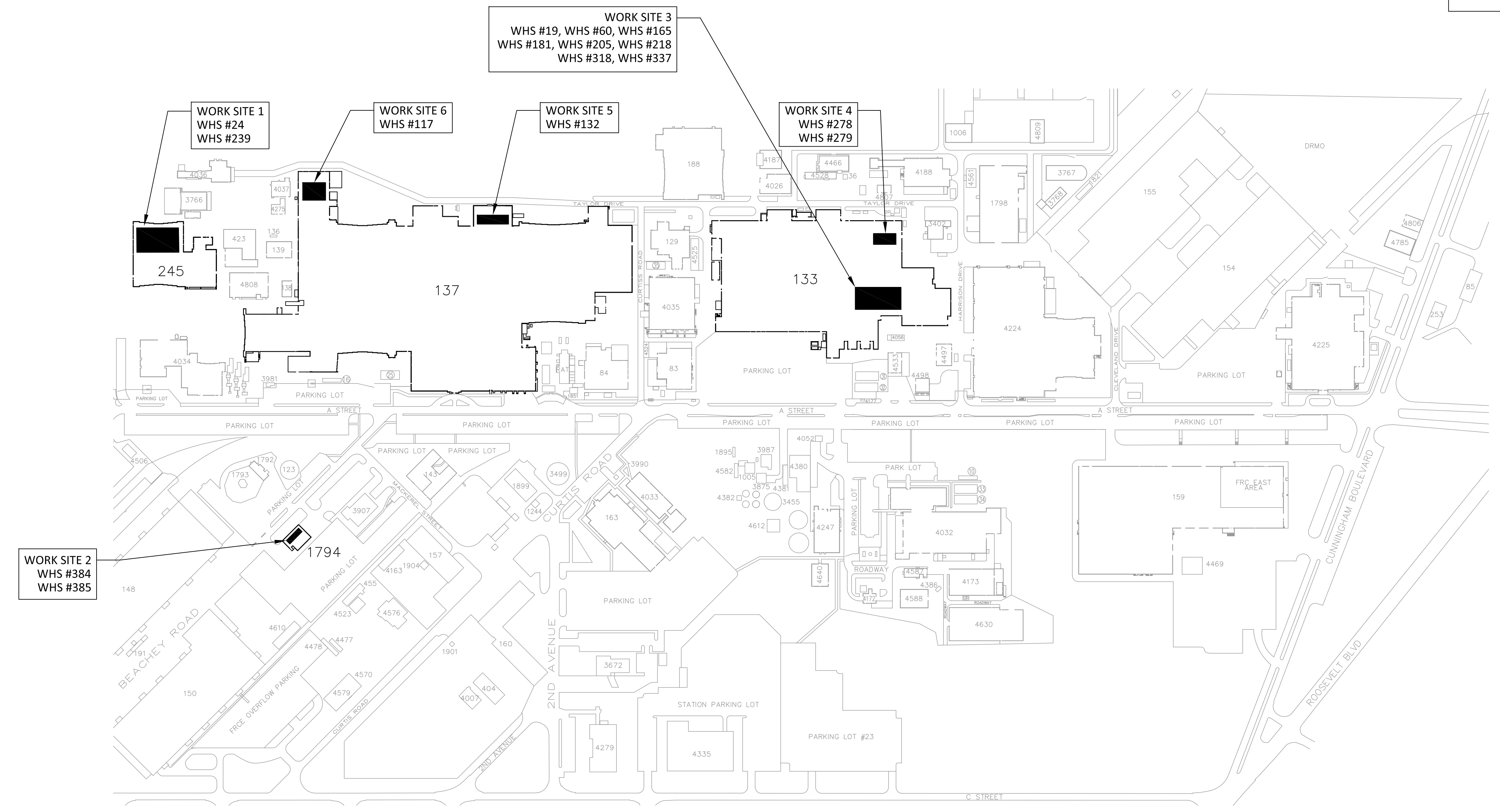
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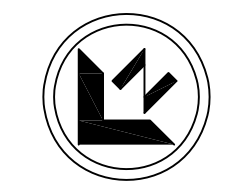
DESIGNER	DRAWN	CHECKED	REVIEWED	OSH	FIRE DEPT	ENVR	APPROVED
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FLEET READINESS CENTER EAST
 U.S. MARINE CORPS AIR STATION, CHERRY POINT, NC
2018 CRANES REPLACEMENT AND MODERNIZATION PLAN
 GENERAL NOTES, LEGEND, ABBREVIATIONS & WORK SITES LOCATION MAP
 PRODUCTION PLANNING DIV/DRAWING NO
PE-21753

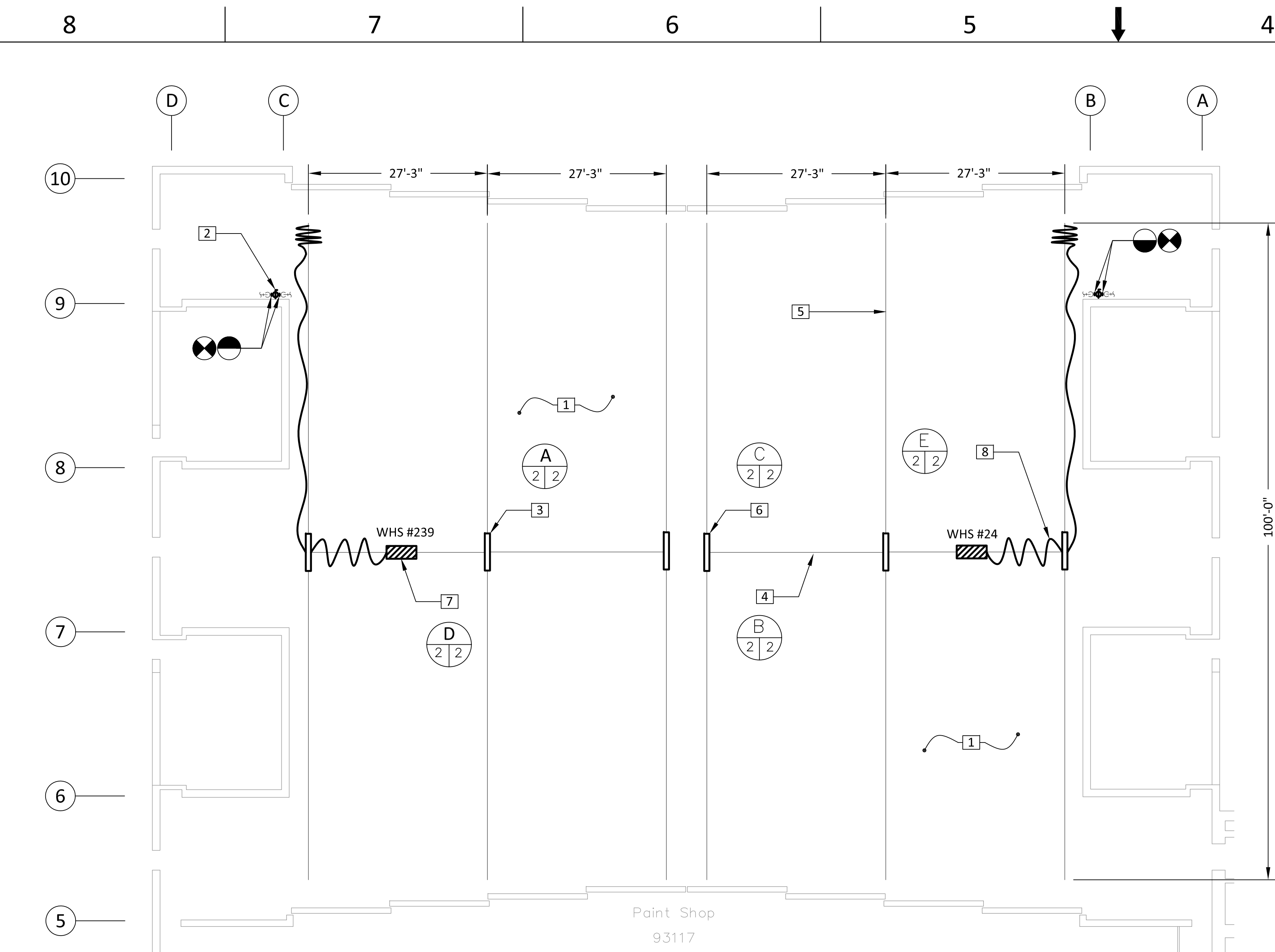
BUILDING: VARIOUS	
SHOP: VARIOUS	
SIZE	CAGE CODE
D	96916
PE-21753	
SCALE: AS NOTED	
WO: XA43284	
SHEET	1 OF 6



WORK SITES LOCATION MAP
SCALE: NTS



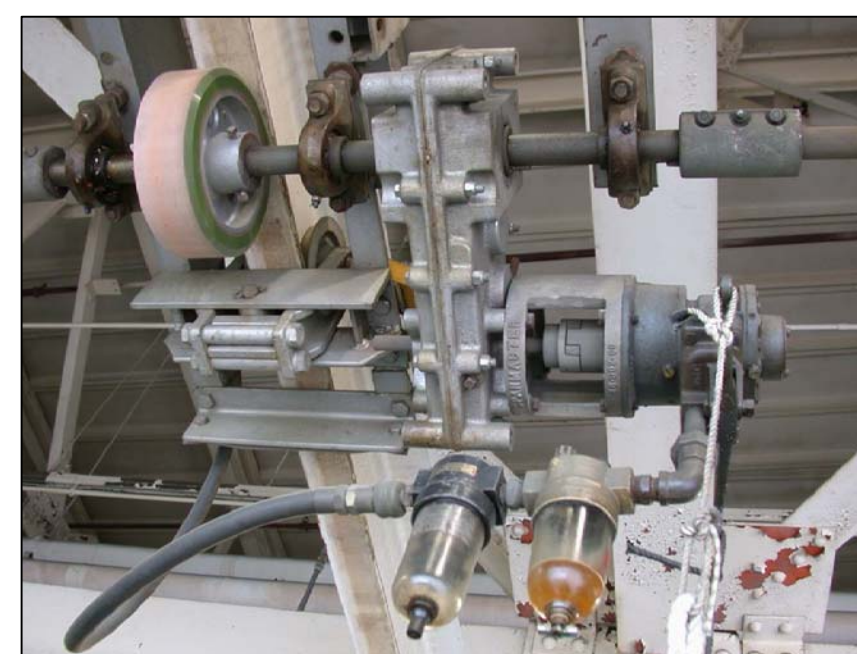
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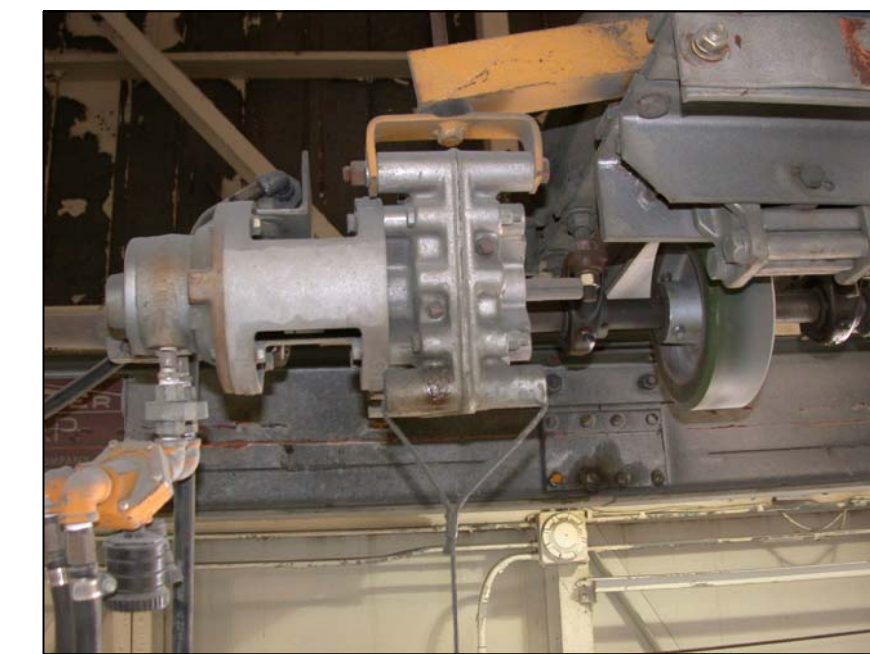
WORK PLAN - SITE 1 - BUILDING 245
SCALE: 3/32" = 1'-0"

WORK NOTES (THIS SHEET ONLY):

- 1 WORK SITE IS CLASSIFIED AS A CLASS 1 DIVISION 1 GROUPS C & D HAZARDOUS LOCATION AS DEFINED BY NFPA 70 "NATIONAL ELECTRICAL CODE". NEW EQUIPMENT SHALL BE CERTIFIED BY THE MANUFACTURER FOR USE IN THIS LOCATION.
- 2 SHUT-OFF VALVE TO BE REPLACED PER STATEMENT OF WORK. TYPICAL FOR 2.
- 3 BRIDGE DRIVE TO BE UPGRADED PER STATEMENT OF WORK. TYPICAL FOR 2.
- 4 BRIDGE GIRDER TO REMAIN, TLE = 38'-0" AFF. SPANMASTER 1 TON, 3 1/4" BOTTOM FLANGE. TYPICAL FOR 2.
- 5 RUNWAY RAILS TO REMAIN. TYPICAL FOR 6.
- 6 UNDER RUNNING BRIDGE TRUCK TO REMAIN. TYPICAL FOR 6.
- 7 2,000# UNDER RUNNING, PNEUMATIC POWERED, WIRE ROPE TROLLEY HOIST UNIT AND PNEUMATIC ACCESSORIES TO BE UPGRADED PER STATEMENT OF WORK. TYPICAL FOR 2.
- 8 SUPPLY AIR HOSE AND FESTOON SYSTEM TO BE UPGRADED PER STATEMENT OF WORK. TYPICAL FOR 2.



A PICTURE - EXISTING BRIDGE DRIVE
NOT TO SCALE



B PICTURE - EXISTING BRIDGE GIRDER
NOT TO SCALE



C PICTURE - EXISTING BRIDGE TRUCK
NOT TO SCALE



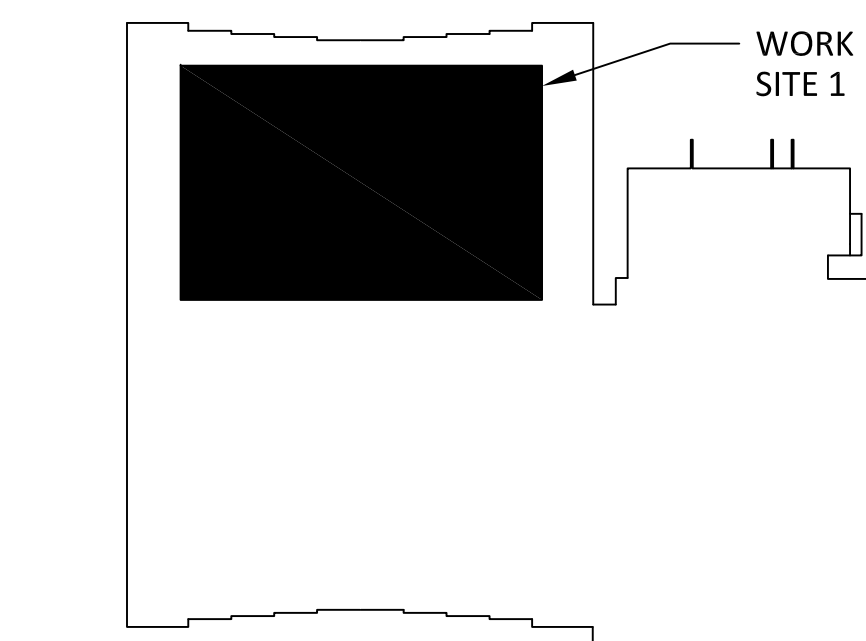
D PICTURE - EXISTING TROLLEY HOIST
NOT TO SCALE



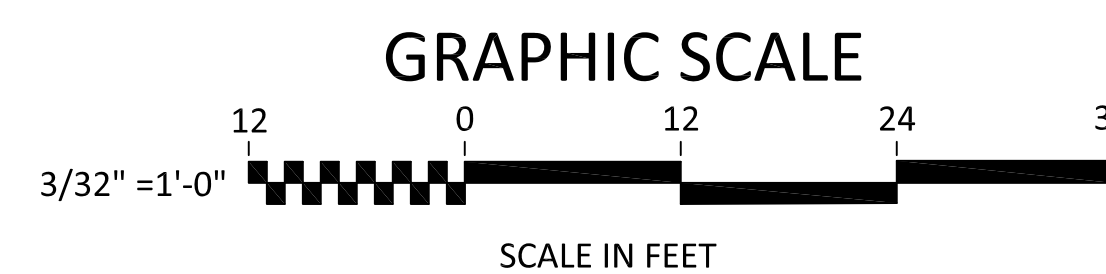
E PICTURE - EXISTING AIR HOSE AND FESTOON SYSTEM
NOT TO SCALE



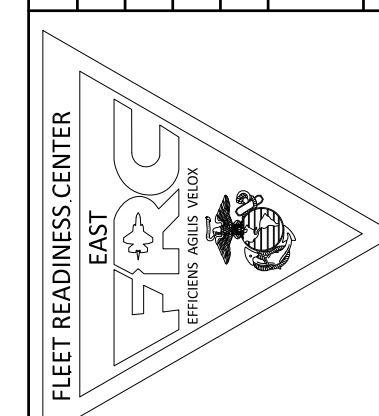
E PICTURE - EXISTING AIR HOSE AND FESTOON SYSTEM
NOT TO SCALE



BUILDING 245 WORK LOCATION PLAN
NOT TO SCALE



REV	DESCRIPTION	DATE	APPR.



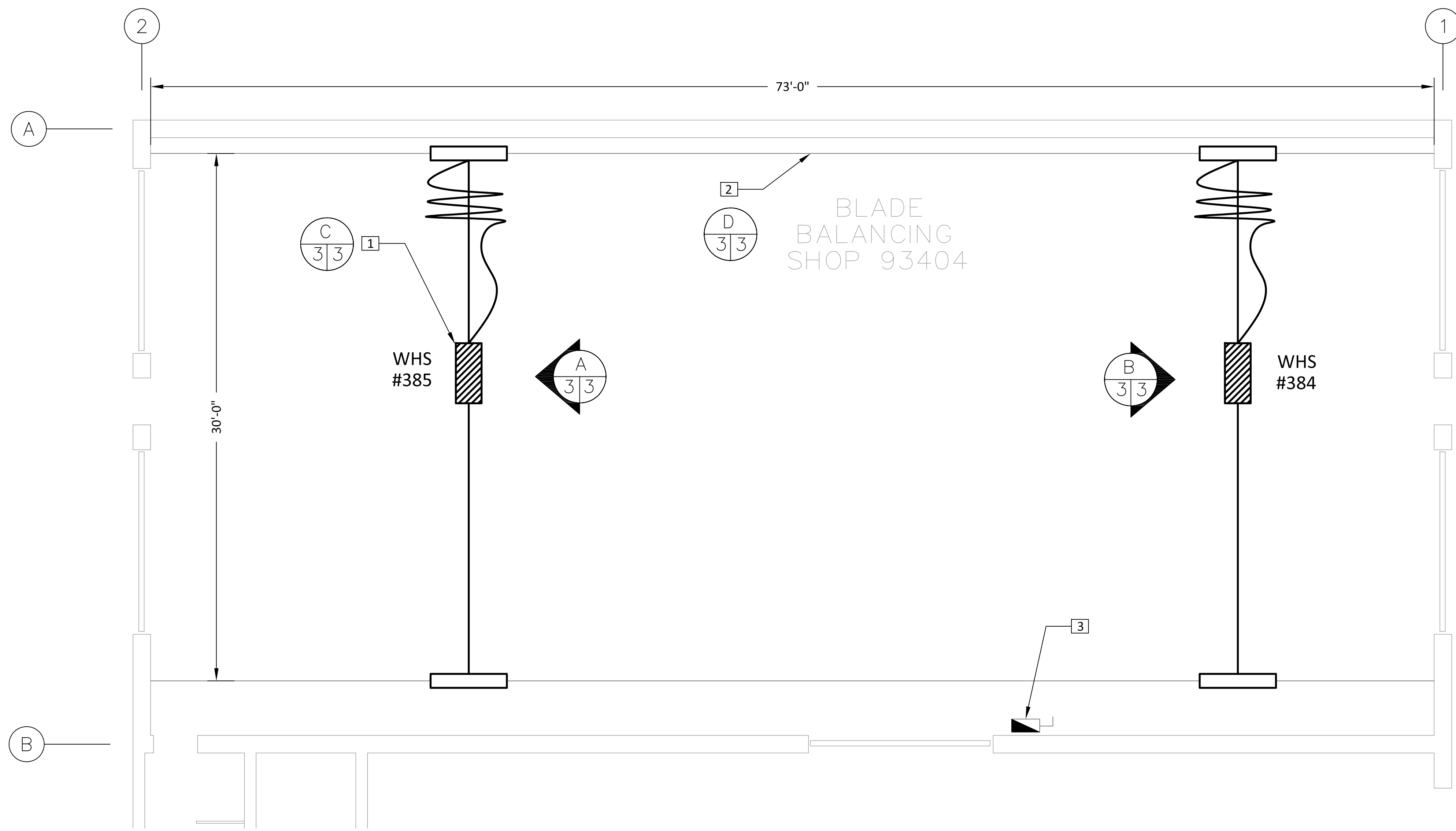
DESIGNER	DRAWN	CHECKED	REVIEWED	OSH	FIRE DEPT	ENVR	APPROVED
J. PADRO	J. PADRO	J. PADRO	E. DIAZ	D. PATTERSON			S. DEMIANCZYK

FLEET READINESS CENTER EAST
U.S. MARINE CORPS AIR STATION, CHERRY POINT, NC
2018 CRANES REPLACEMENT AND MODERNIZATION PLAN
WORK PLAN, WORK NOTES AND PICTURES - WORK SITE 1 - BUILDING 245
PRODUCTION PLANNING DIVISION NO. PE-21753

BUILDING: 245	
SHOP: 93117	
SIZE	CAGE CODE
D	96916
PE-21753	
SCALE: AS NOTED	
WO: XA43284	
SHEET 2 OF 6	

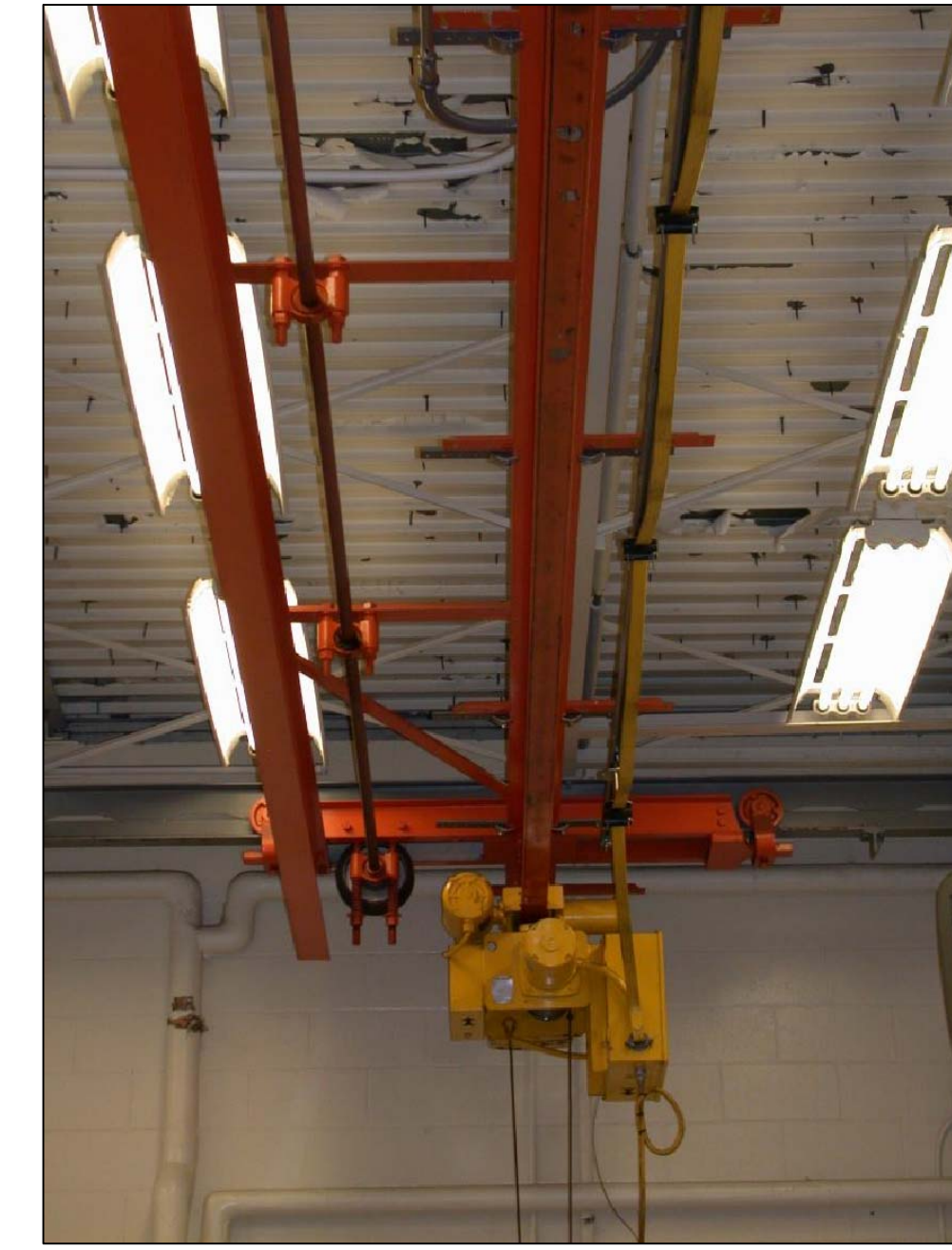
8 7 6 5 4 3 2 1

D
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B
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WORK NOTES (THIS SHEET ONLY):

- 1 EXISTING 1000# UNDER RUNNING, ELECTRIC POWERED, WIRE ROPE BRIDGE CRANE TO BE REPLACE PER STATEMENT OF WORK. TYPICAL FOR 2.
- 2 EXISTING RUNWAY RAILS TO REMAIN (3 1/2" BOTTOM FLANGE, TLE @ 15'-0" AFF). TYPICAL FOR 2. ELECTRIFICATION SYSTEM TO BE REPLACED PER STATEMENT OF WORK.
- 3 EXISTING DISCONNECT SWITCH TO REMAIN (208V, 3PH, 60HZ, 30AMP).



A ELEVATION VIEW - WHS #385
SCALE: NTS

WORK PLAN - WORK SITE 2 - BUILDING 1794
SCALE: 1/4" = 1'-0"



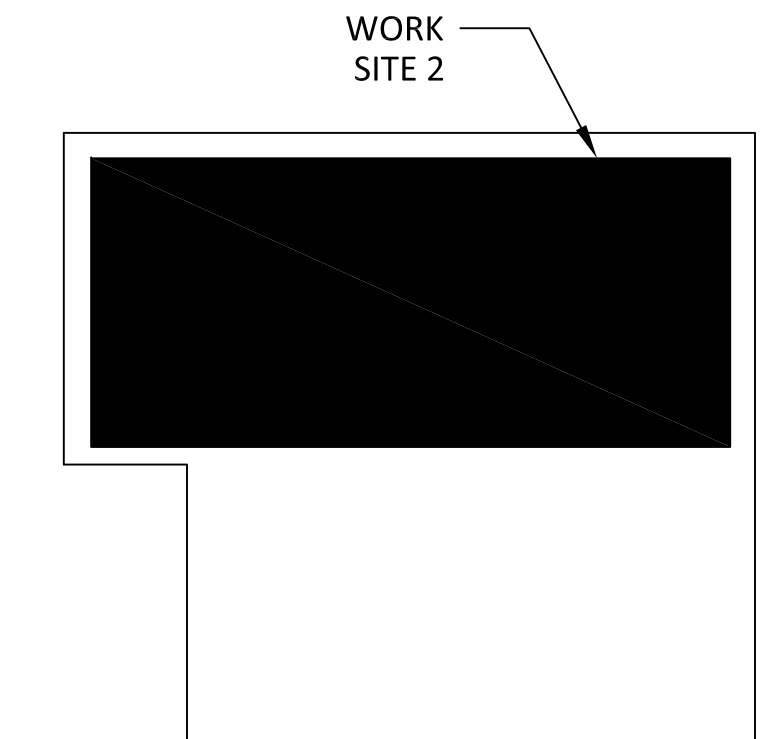
B ELEVATION VIEW - WHS #384
SCALE: NTS



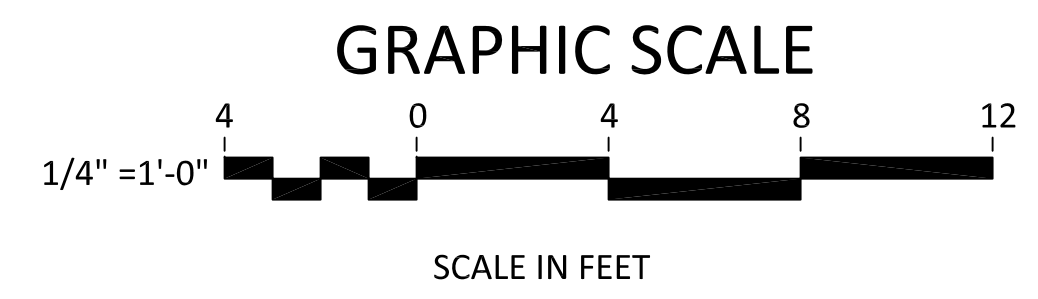
C PICTURE - EXISTING BRIDGE CRANE
SCALE: NTS



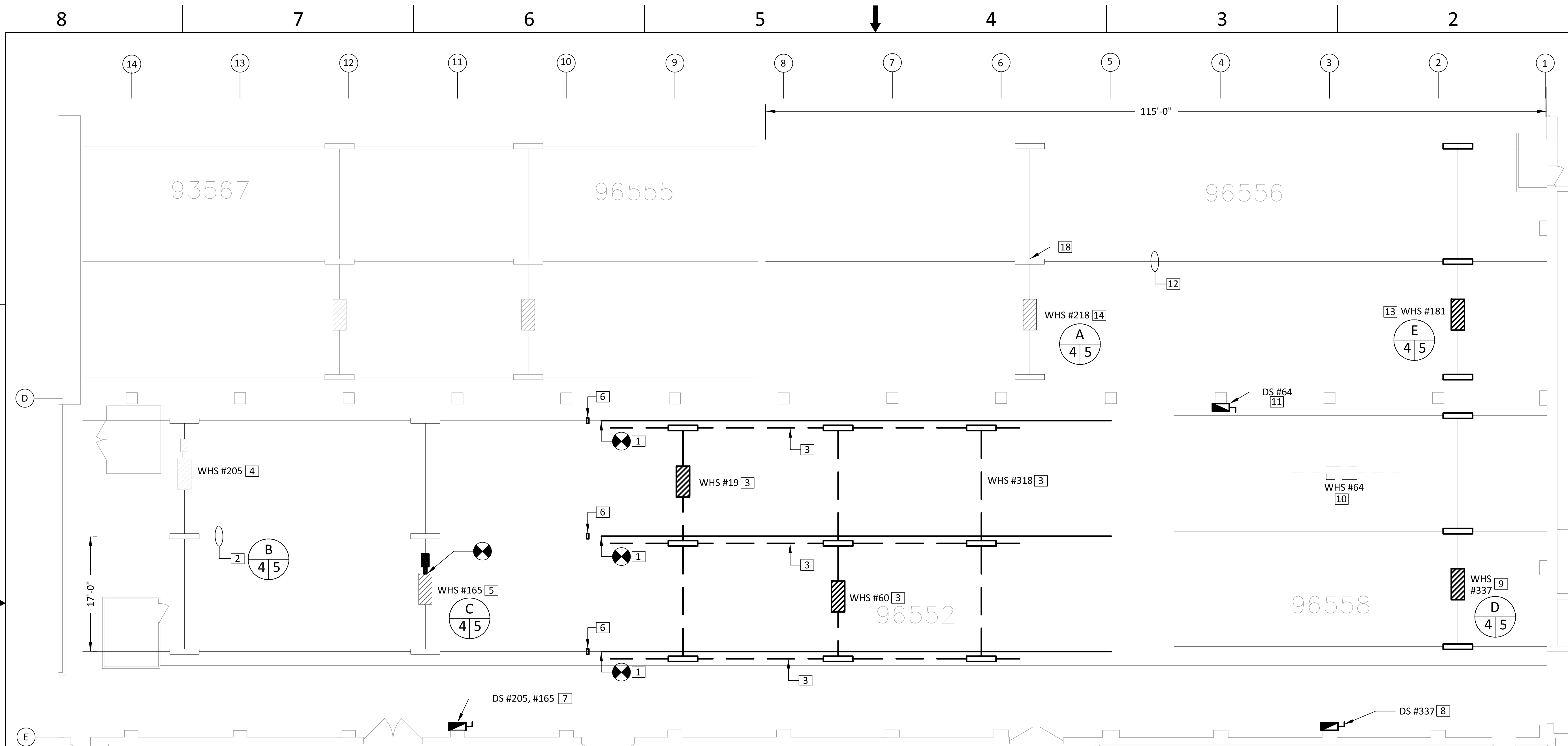
D PICTURE - ELECTRIFICATION SYSTEM
SCALE: NTS



BUILDING 1794 WORK LOCATION PLAN
SCALE: NOT TO SCALE



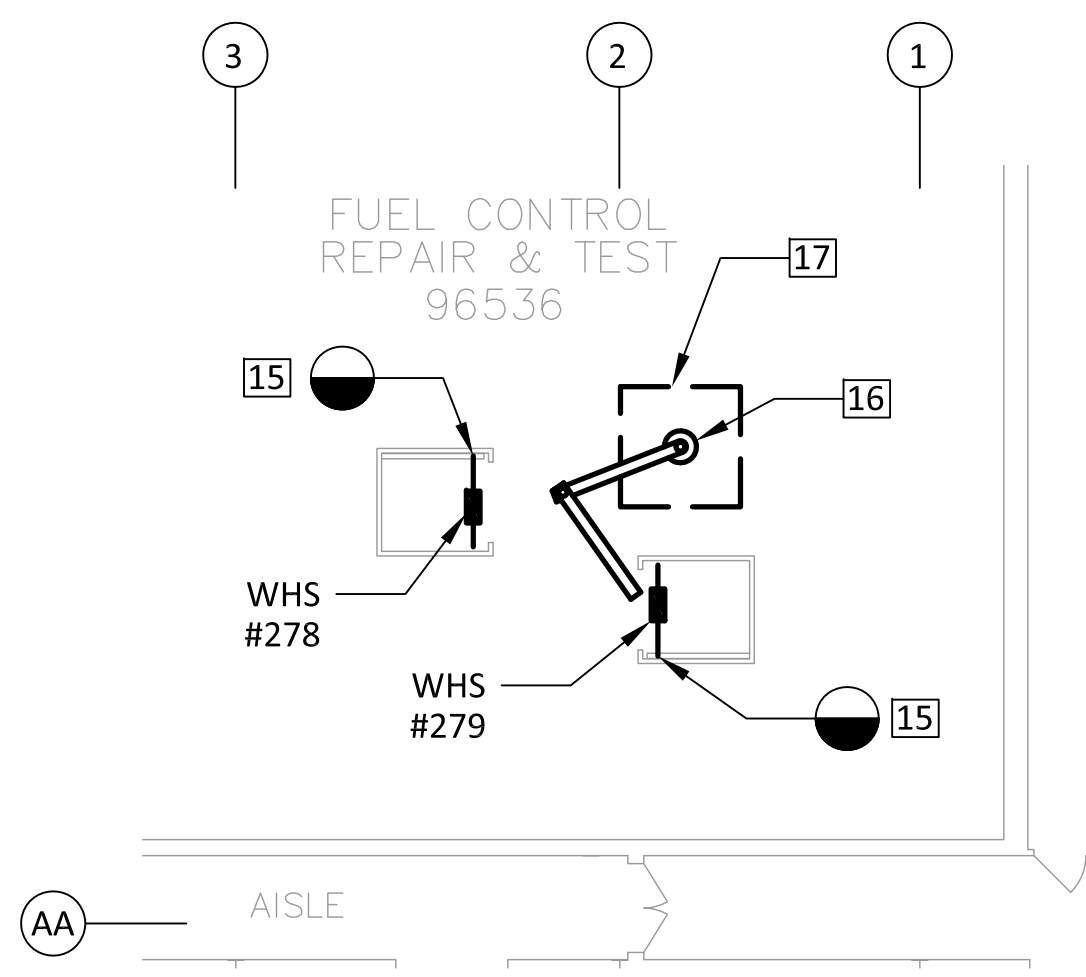
DESIGNER		DRAWN		CHECKED		REVIEWED		OSH		FIRE DEPT		ENVR		APPROVED	
J. PADRO	J. PADRO	J. PADRO	E. DIAZ	D. PATTERSON				S. DEMIANCZYK							
FLEET READINESS CENTER EAST U.S. MARINE CORPS AIR STATION, CHERRY POINT, NC 2018 CRANES REPLACEMENT AND MODERNIZATION PLAN WORK PLAN, WORK NOTES AND PICTURES - WORK SITE 2 - BUILDING 1794 PRODUCTION PLANNING DIV/DRAWING NO. PE-21753															
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ZONE	REV	DESCRIPTION	DATE	APPR.											
BUILDING: 1794 SHOP: 93404 SIZE D CAGE CODE 96916 PE-21753 SCALE: AS NOTED WO: XA43284 SHEET 3 OF 6															



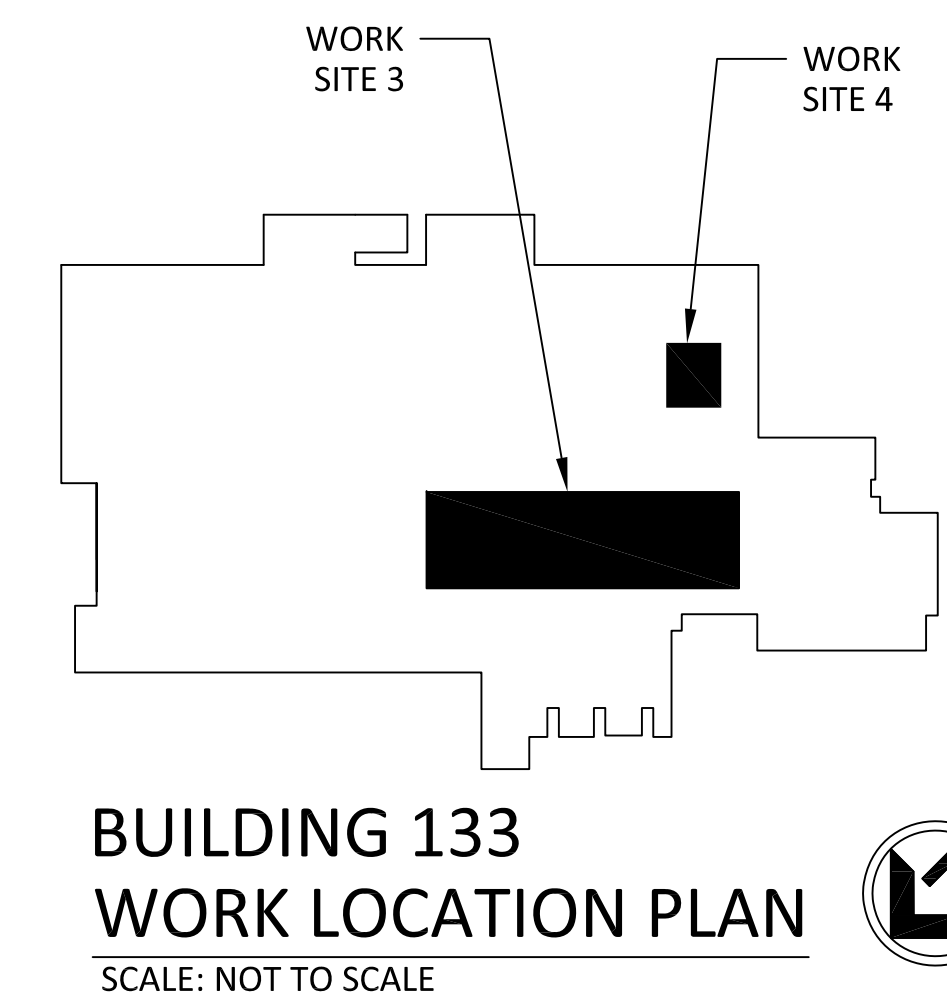
WORK PLAN - WORK SITE 3 - BUILDING 133
SCALE: 1/8"=1'-0"

WORK NOTES (THIS SHEET ONLY):

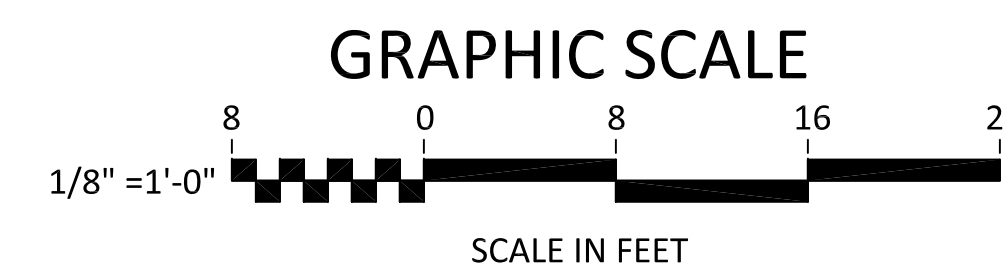
- 1 EXISTING RUNWAY TO BE EXTENDED TO COLUMN LINE 5 (75'-0") PER STATEMENT OF WORK (RAILS = TC/AMERICAN 2GR13-27, TLE=@ 16'-0" AFF).
- 2 DEMOLISH EXISTING RIGID BARS ELECTRIFICATION SYSTEM ALONG CENTER RAIL AND PROVIDE A NEW SYSTEM PER STATEMENT OF WORK.
- 3 EXISTING RUNWAY AND WEIGHT HANDLING SYSTEMS (#19, #60 AND # 318) TO BE DEMOLISHED. HOISTS AND TROLLEYS SHALL BE TURNED IN TO GOVERNMENT PER STATEMENT OF WORK.
- 4 WHS #205: PROVIDE NEW COLLECTORS FOR THE BRIDGE DRIVE PER STATEMENT OF WORK.
- 5 WHS #165: PROVIDE TRACTOR DRIVE FOR TROLLEY HOIST UNIT AND NEW COLLECTORS FOR THE BRIDGE DRIVE (BRIDGE GIRDER = TC/AMERICAN 2GR11-26, TLE=16'-0" AFF) PER STATEMENT OF WORK.
- 6 EXISTING BRIDGES TRAVEL END STOPS. STOPS MUST REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE CONTRACTING OFFICER.
- 7 EXISTING DISCONNECT SWITCH (WHS #165 AND WHS #205) TO BE RE-USED.
- 8 DISCONNECT SWITCH (WHS #337) TO BE RELOCATED TO COLUMN D4 AND INTERLOCKED WITH THE DISCONNECT SWITCH OF WHS #64 PER STATEMENT OF WORK.
- 9 WHS #337 TO BE UPGRADED PER STATEMENT OF WORK (RUNWAY RAILS TC/AMERICAN 2GR11-26, TLE = 16'-0". BRIDGE GIRDER TC/AMERICAN 3RL11-24).
- 10 WHS #64 (MONORAIL) ABOVE OPERATIONAL ENVELOPE OF WHS #337 TO REMAIN.
- 11 WHS #64 DISCONNECT SWITCH TO BE INTERLOCKED WITH WHS #337 DISCONNECT SWITCH PER STATEMENT OF WORK.
- 12 EXISTING ELECTRIFICATION SYSTEM TO BE REPLACED PER STATEMENT OF WORK.
- 13 WHS #181: TO BE UPGRADED PER STATEMENT OF WORK.
- 14 WHS #218: REPLACE TROLLEY HOIST RIGID BARS ELECTRIFICATION SYSTEM AND PENDANT CONTROLLER SYSTEM PER STATEMENT OF WORK.
- 15 WHS #278 AND WHS #279 MONORAIL AND HOIST INSIDE TEST BOOTH TO BE REMOVED.
- 16 NEW FLOOR MOUNTED ARTICULATING JIB CRANE PER STATEMENT OF WORK. EXACT LOCATION TO FIELD COORDINATED.
- 17 NEW JIB CRANE FOUNDATION PER STATEMENT OF WORK.
- 18 REPLACE BRIDGE DRIVE COLLECTORS PER STATEMENT OF WORK.



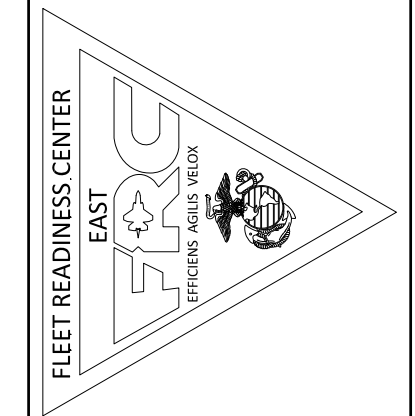
**WORK PLAN
WORK SITE 4 - BUILDING 133**
SCALE: 1/8"=1'-0"



**BUILDING 133
WORK LOCATION PLAN**
SCALE: NOT TO SCALE



DATE	APPR.



DESIGNER	DRAWN	CHECKED	REVIEWED	OSH	FIRE DEPT	ENVR	APPROVED
J. PADRO	J. PADRO	J. PADRO	E. DIAZ	D. PATTERSON			S. DEMIANCZYK

FLEET READINESS CENTER EAST
U.S. MARINE CORPS AIR STATION, CHERRY POINT, NC
2018 CRANES REPLACEMENT AND MODERNIZATION PLAN
WORK PLAN AND NOTES - WORK SITES 3 & 4 - BUILDING 133
PRODUCTION DRAWING NO. PE-21753

BUILDING: 133
SHOP: VARIOUS
SIZE D CAGE CODE 96916
PE-21753
SCALE: AS NOTED
WO: XA43284
SHEET 4 OF 6

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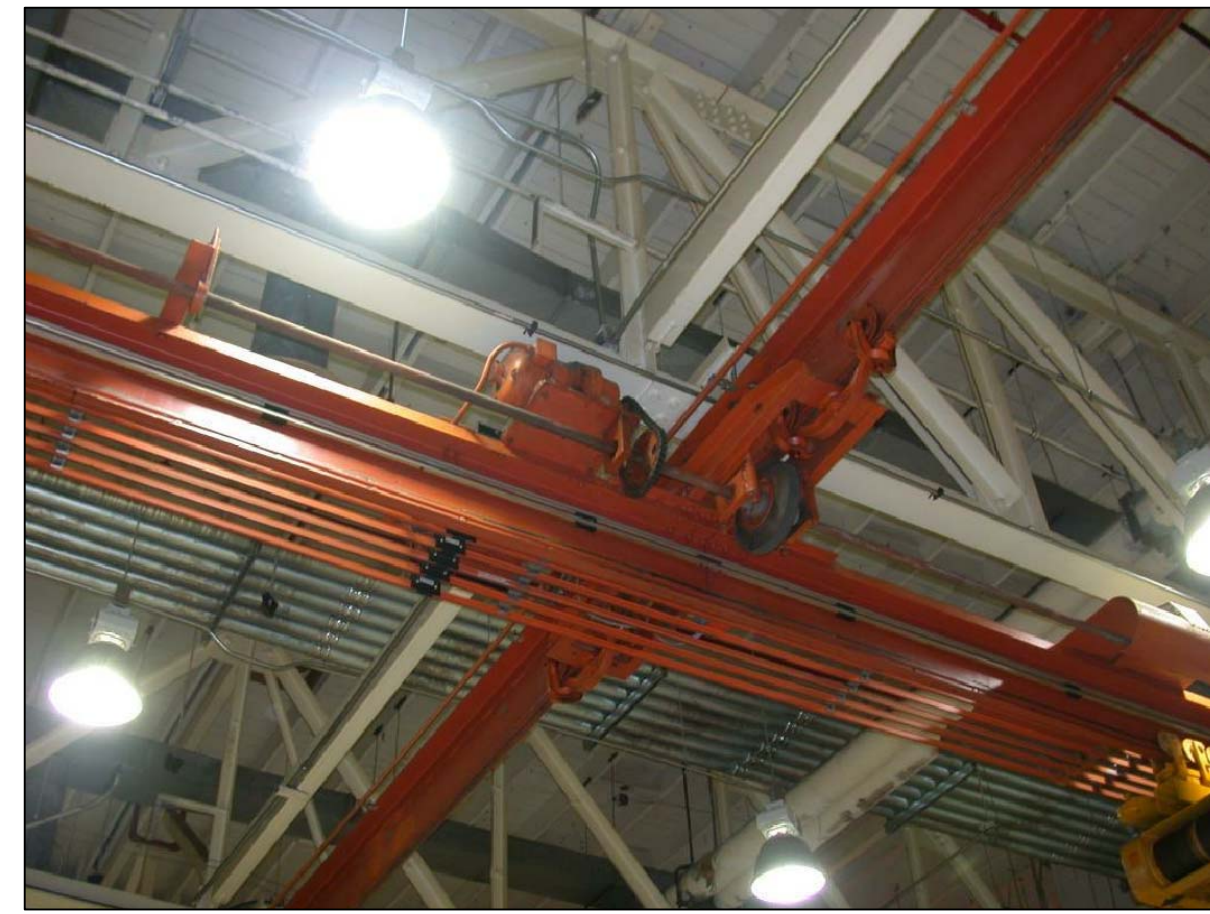
4

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A
4 5 PICTURE - EXISTING WHS #218
SCALE: NTS

B
4 5 PICTURE - EXISTING BRIDGE
DRIVE (WHS #165 AND WHS #205)
SCALE: NTS

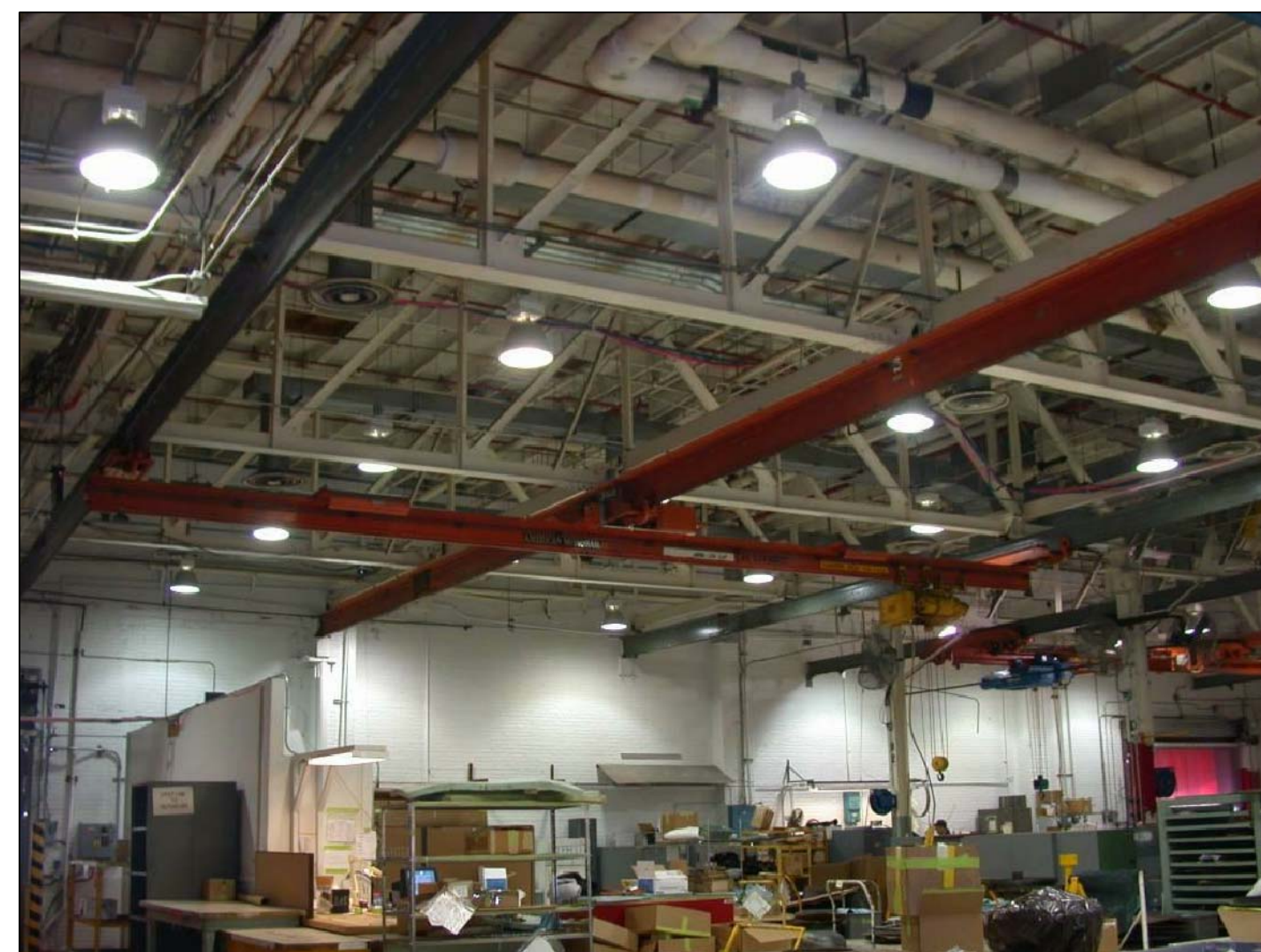
C



C
4 5 DETAIL - EXISTING WHS #165 TROLLEY
SCALE: NTS

D
4 5 PICTURE - EXISTING WHS #337
SCALE: NTS

B



E
4 5 PICTURE - EXISTING WHS #181
SCALE: NTS

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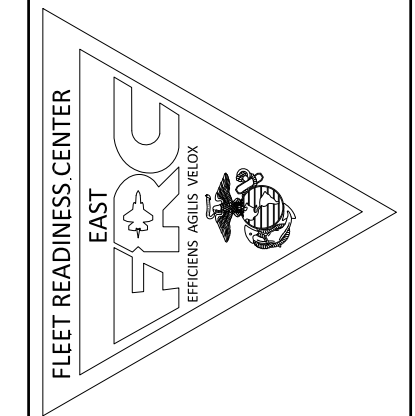
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ZONE	REV	DESCRIPTION	DATE	APPR.

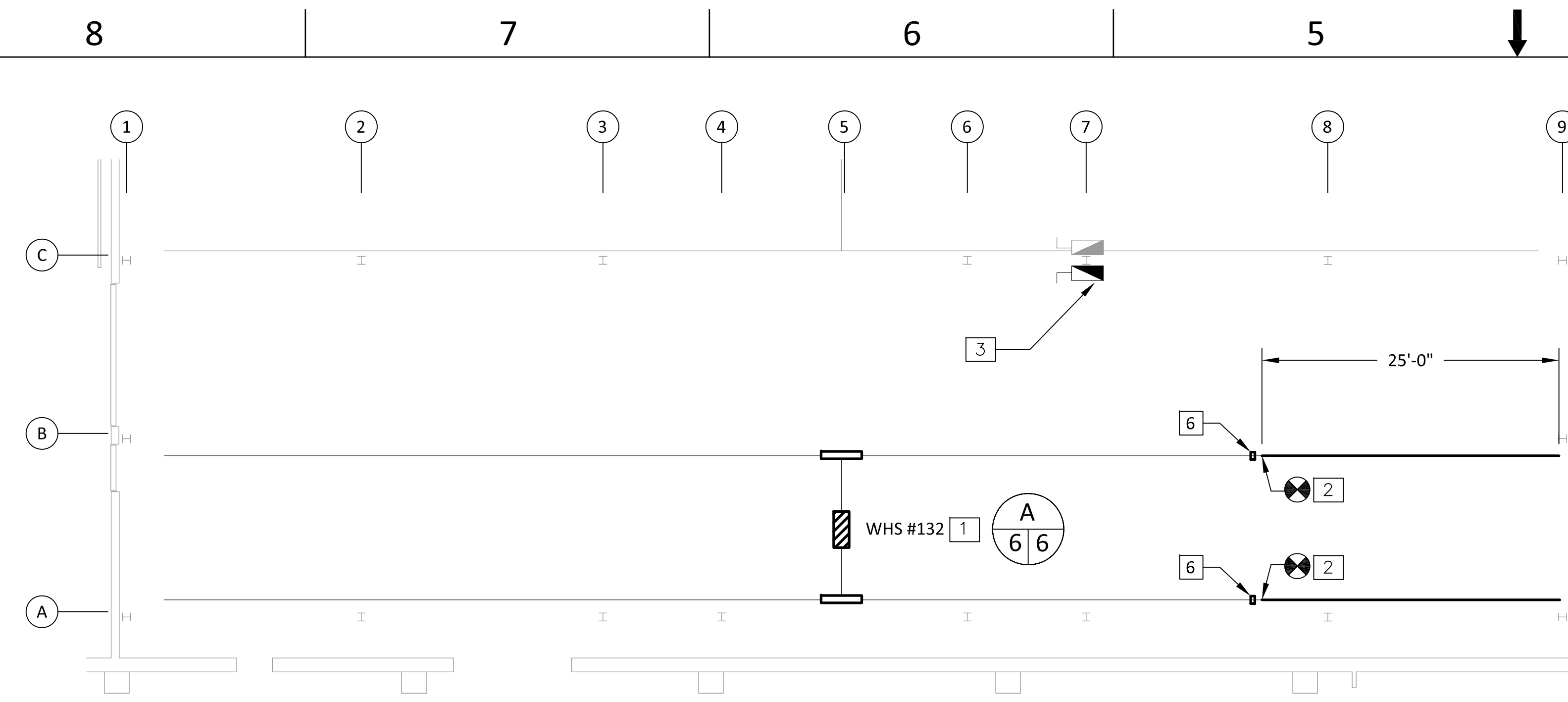
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ENVR	
APPROVED	S. DEMIANCZYK

FLEET READINESS CENTER EAST
U.S. MARINE CORPS AIR STATION, CHERRY POINT, NC
2018 CRANES REPLACEMENT AND MODERNIZATION PLAN
PICTURES - WORK SITES 3 & 4 - BUILDING 133
PRODUCTION PLANNING/DRAWING NO
PE-21753

BUILDING: 133	
SHOP: VARIOUS	
SIZE	CAGE CODE
D	96916
PE-21753	
SCALE: AS NOTED	
WO: XA43284	
SHEET	5 OF 6



WORK NOTES (THIS SHEET ONLY):

- 1 WHS #132 TO BE UPGRADED PER STATEMENT OF WORK (BRIDGE GIRDER = 9 1/2" H X 6" TOP FLANGE X 3 3/8" BOTTOM FLANGE, CRANE RAIL WITH FLAT TREAD AREA. TLE = 18'-0" AFF).
- 2 RUNWAY RAILS AND ELECTRIFICATION SYSTEM TO BE EXTENDED PER STATEMENT OF WORK (9 1/2" H X 6" TOP FLANGE X 3 3/8" BOTTOM FLANGE, CRANE RAIL WITH FLAT TREAD AREA. TLE = 18'-10" AFF).
- 3 30A, 600V, SQUARE D, HEAVY DUTY, ELECTRICAL DISCONNECT SWITCH TO REMAIN. ELECTRICAL SERVICE ON SITE 480V / 3PH / 60HZ.
- 4 WHS # 117 TO BE UPGRADED PER STATEMENT OF WORK.
- 5 60A, 240VAC, SQUARE D - GENERAL DUTY, ELECTRICAL DISCONNECT SWITCH. 208V / 3PH / 60HZ ELECTRICAL SERVICE.
- 6 EXISTING BRIDGE TRAVEL END STOPS. STOPS MUST REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE CONTRACTING OFFICER.

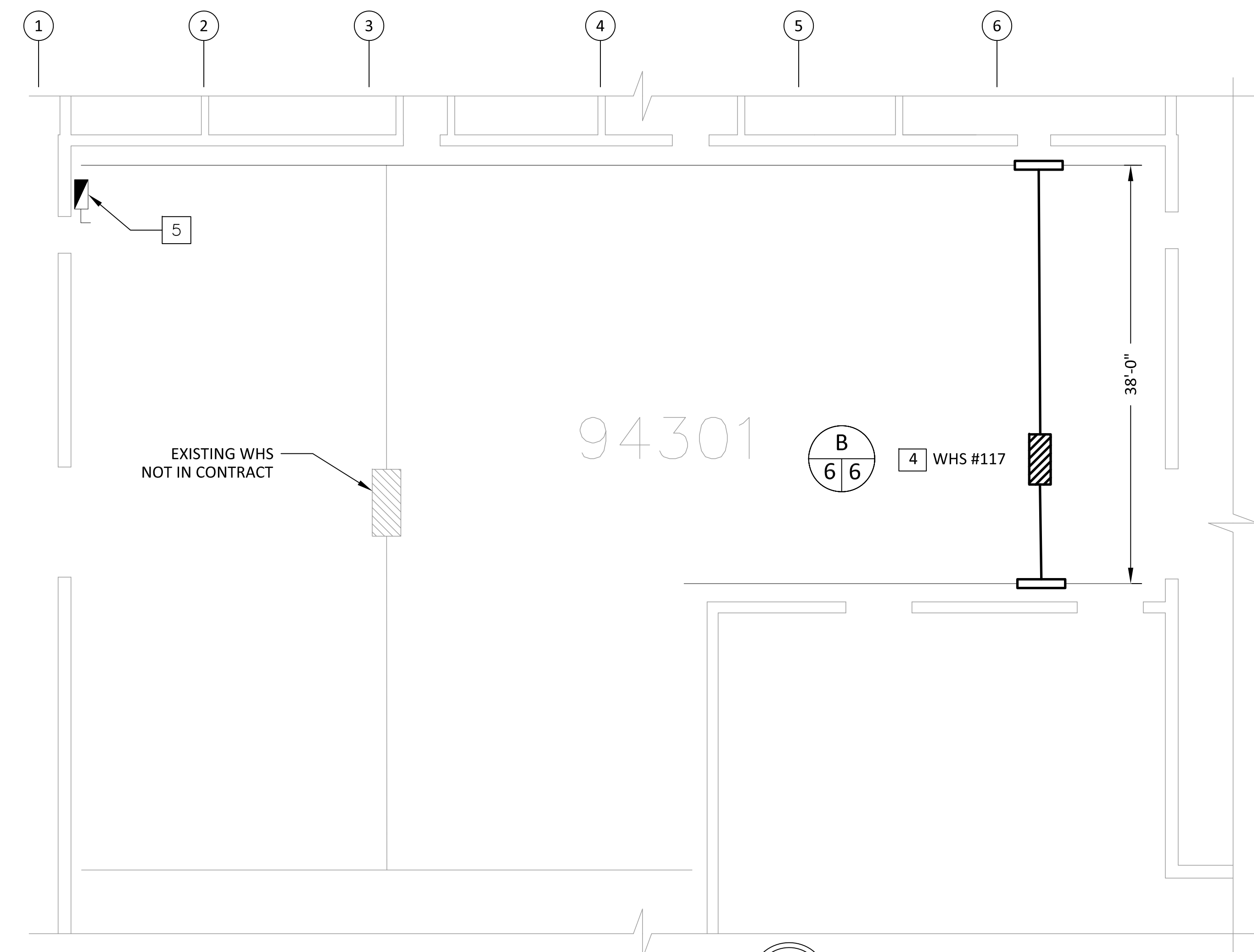


A
6/6 PICTURE - EXISTING WHS #132
SCALE: NTS

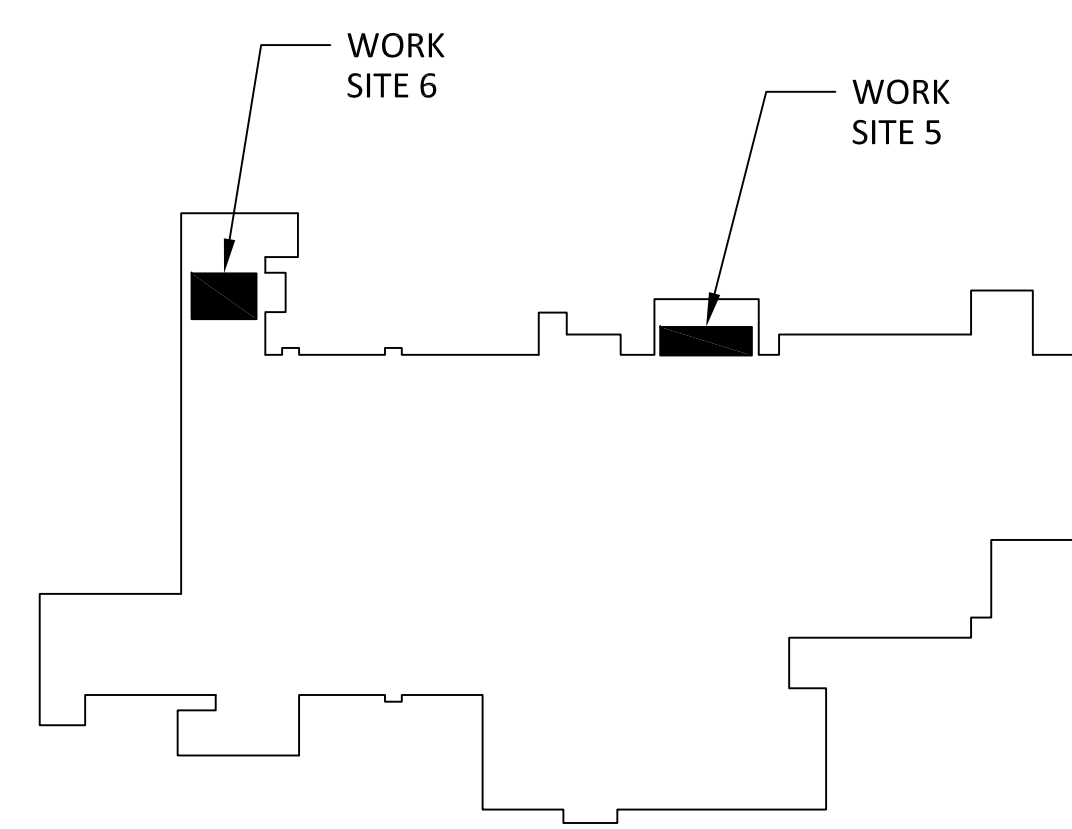


B
6/6 PICTURE - EXISTING WHS #117
SCALE: NTS

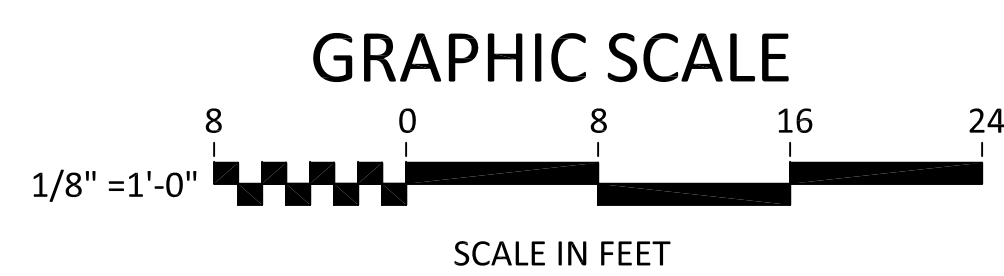
WORK PLAN - WORK SITE 5 - BUILDING 137
SCALE: 1/8" = 1'-0"



WORK PLAN - WORK SITE 6 - BUILDING 137
SCALE: 1/8" = 1'-0"



**BUILDING 137
WORK LOCATION PLAN**
SCALE: NOT TO SCALE



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ZONE	REV	DESCRIPTION	

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OSH	D. PATTERSON
FIRE DEPT	
ENVR	
APPROVED	S. DEMIANCZYK

FLEET READINESS CENTER EAST
U.S. MARINE CORPS AIR STATION, CHERRY POINT, NC
2018 CRANES REPLACEMENT AND MODERNIZATION PLAN
WORK PLAN, WORK NOTES AND PICTURES - WORK SITES 5 & 6 - BUILDING 137
PRODUCTION PLANNING DIV/DRAWING NO
PE-21753

BUILDING: 137
SHOP: VARIOUS
SIZE D CAGE CODE 96916
PE-21753
SCALE: AS NOTED
WO: XA43284
SHEET 6 OF 6
X-2016