

HORIZ SIDING OVER VERTICAL HAT CHANNELS ABOVE CMU WALLS REQUIRED BY HORIZ SIDING MANUFACTURER

GROUND FLOOR PLAN
1/8"=1'-0"

BUILDING 1512 CODE ANALYSIS
APPLICABLE BUILDING CODE: 2003 INTERNATIONAL BUILDING CODE

PROPOSED BUILDING USE:	UNHEATED AIRCRAFT STORAGE
BUILDING AREA:	28,020 SF
OCCUPANCY CLASSIFICATION:	S2 - MAINT STORAGE
OCCUPANCY SEPARATIONS:	NONE REQUIRED
CONSTRUCTION TYPE:	TYPE II B
ALLOWABLE AREA:	UNLIMITED - SECTION 507.2
OCCUPANCY LOAD:	ROOM 1512-101 25,920 SF / 300 = 86*
	ROOM 1512-103 1900 / 300 = 7
	ROOM 1512-102 200 / 300 = 1
	TOTAL 94

* NUMBER OF EXITS REQUIRED 2 - TABLE 1014.1
NUMBER OF EXIST PROVIDED 2
SPRINKLERS DRY PIPE SPRINKLER SYSTEM PROVIDED THROUGHOUT



KEY PLAN

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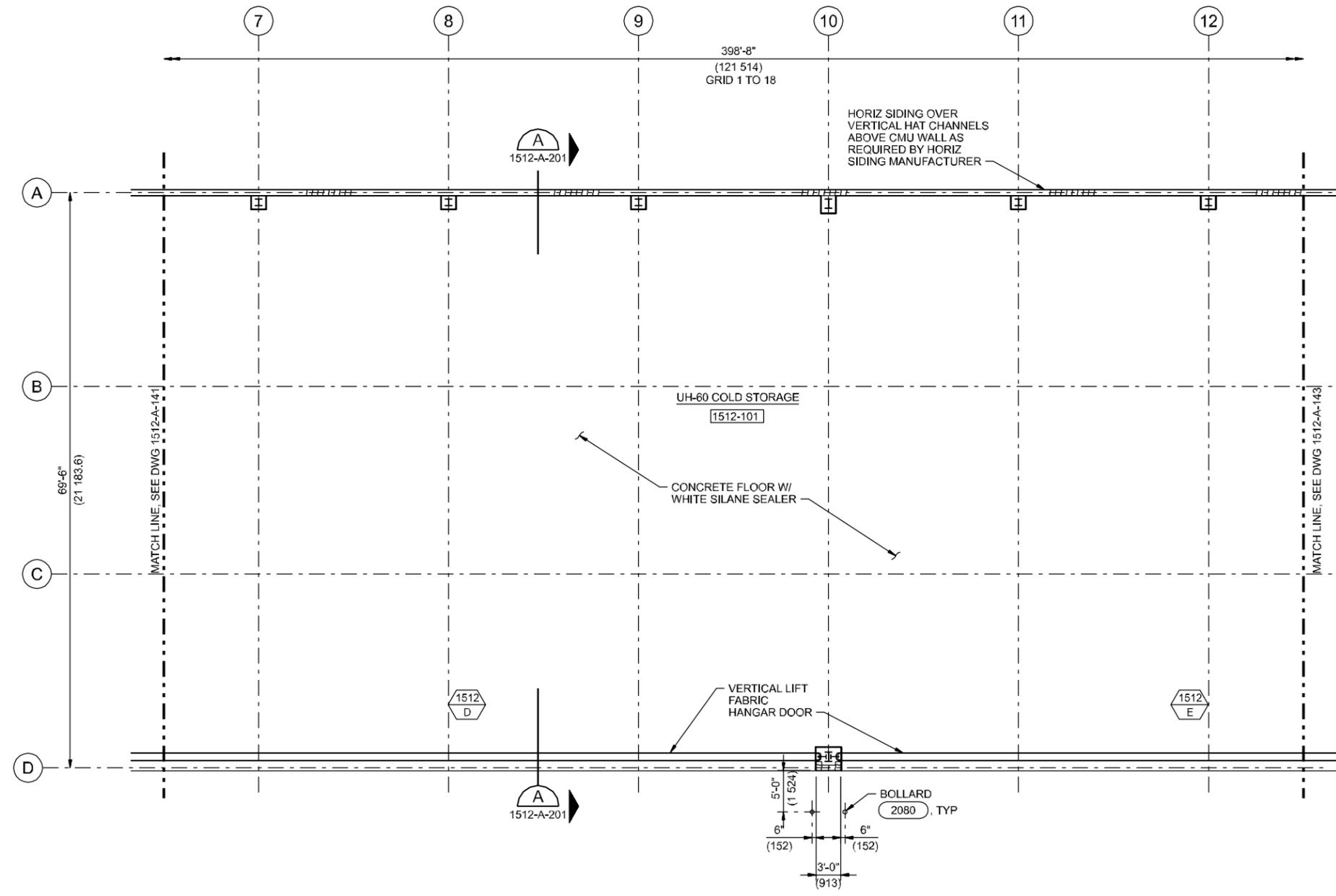
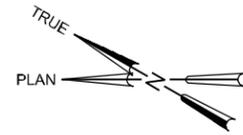
CHIEF OF ENGRG.	USING AGENCY
EB PIETERICK	
DESIGNED BY	FIRE CHIEF
JA HOSTETLER	
DRAWN BY	BIO-ENVIR. ENGR.
JE CAVE	
CHECKED BY	SAFETY
EB PIETERICK	
APPROVED BY	COMMUNICATION

COARNG PROJECT NUMBER: 080119
CH2M HILL JOB NUMBER: 184347

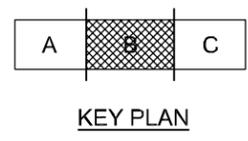
PROJECT TITLE:
COLORADO ARMY NATIONAL GUARD
ARMY AVIATION SUPPORT FACILITY
BUCKLEY AFB
AURORA, COLORADO 80011
(303) 340-9900

DRAWING TITLE:
UH-60 COLD STORAGE ARCHITECTURAL GROUND FLOOR PLAN AREA A

DATE NOV 2004	PAGE NUMBER 1512-A-141
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GROUND FLOOR PLAN
1/8"=1'-0"



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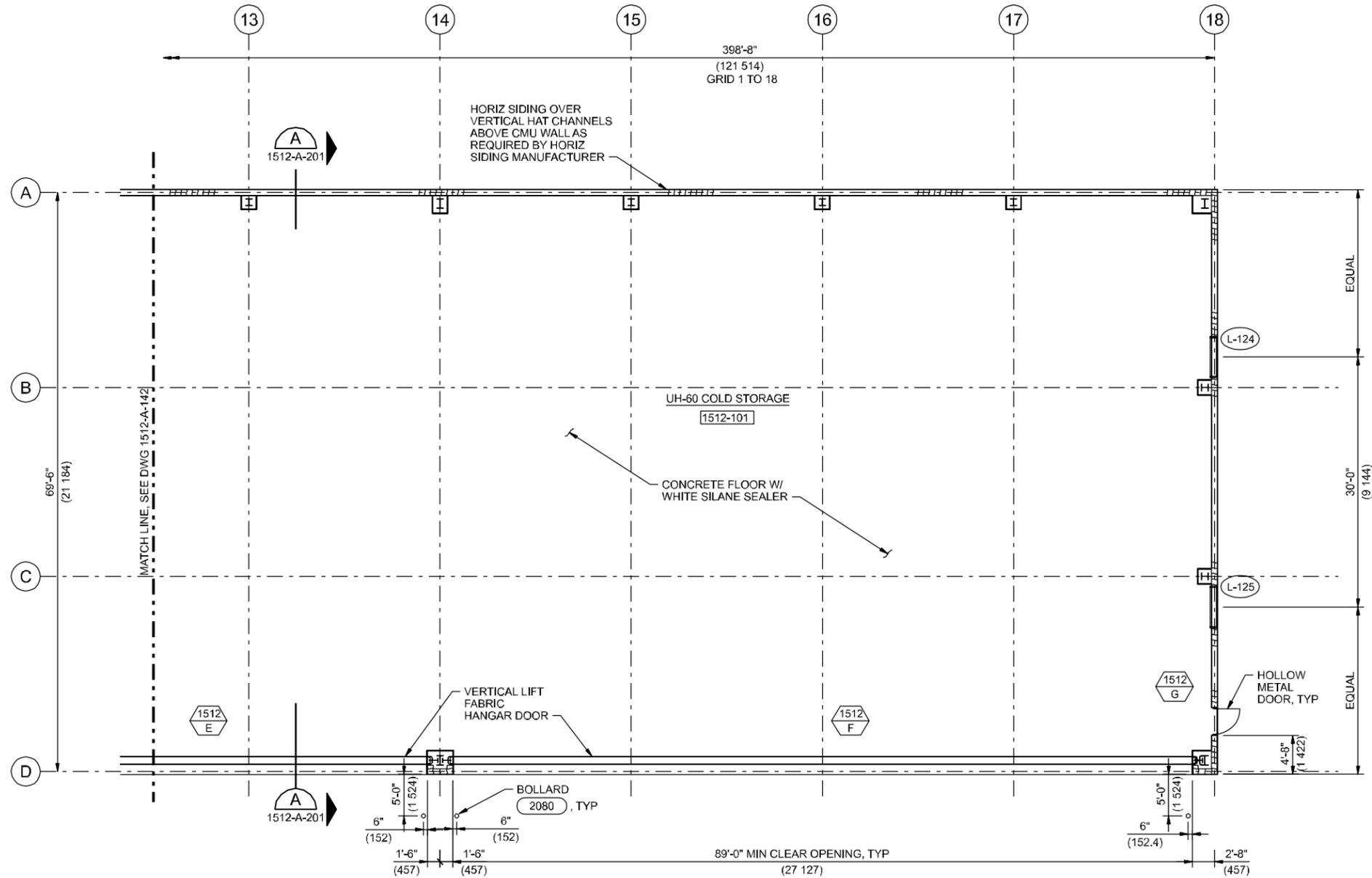
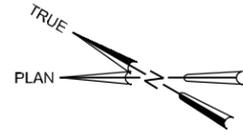
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UH-60 COLD STORAGE
ARCHITECTURAL
GROUND FLOOR PLAN
AREA B

DATE NOV 2004	PAGE NUMBER 1512-A-142
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GROUND FLOOR PLAN
1/8"=1'-0"



KEY PLAN

CH2MHILL

COOVER-CLARK
ARCHITECTS - ENGINEERS - LANDSCAPE ARCHITECTS

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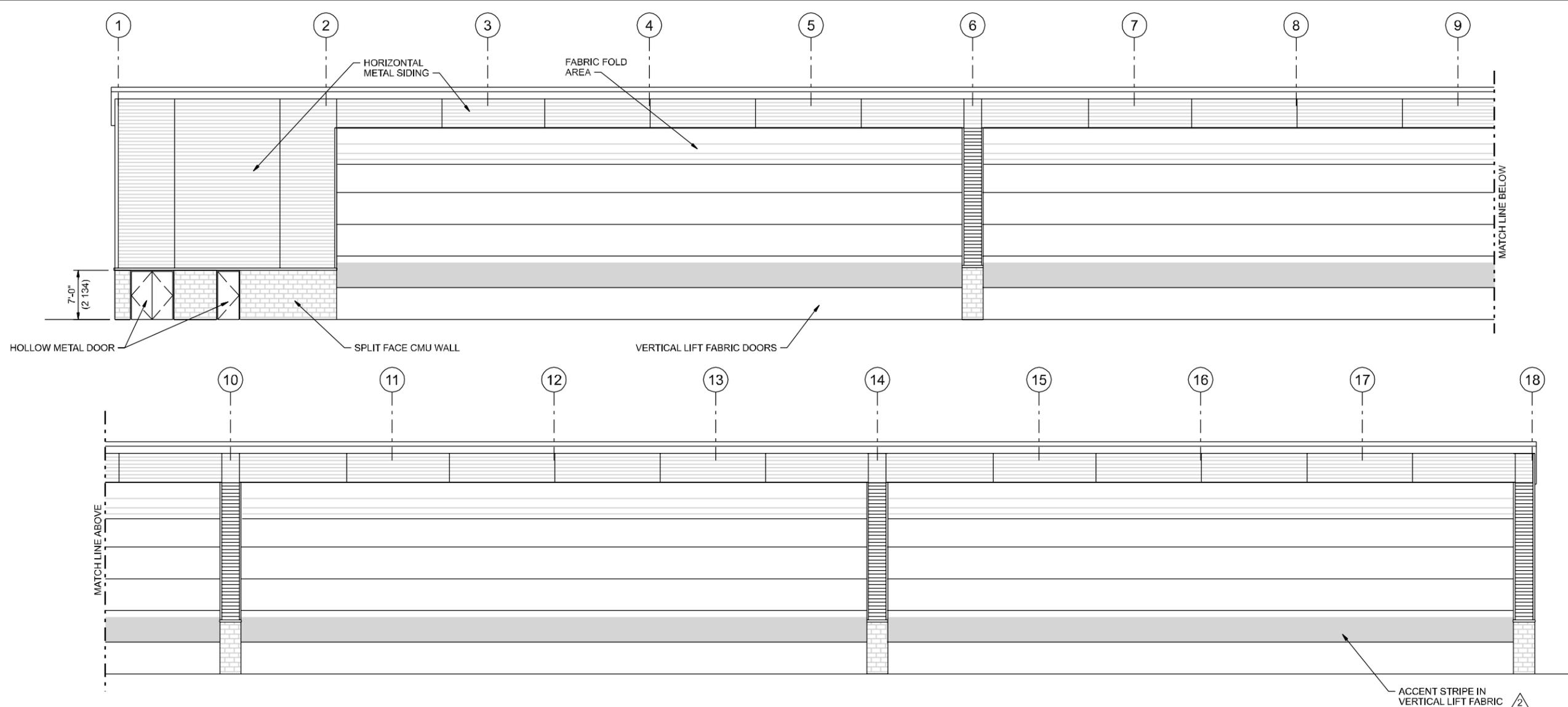
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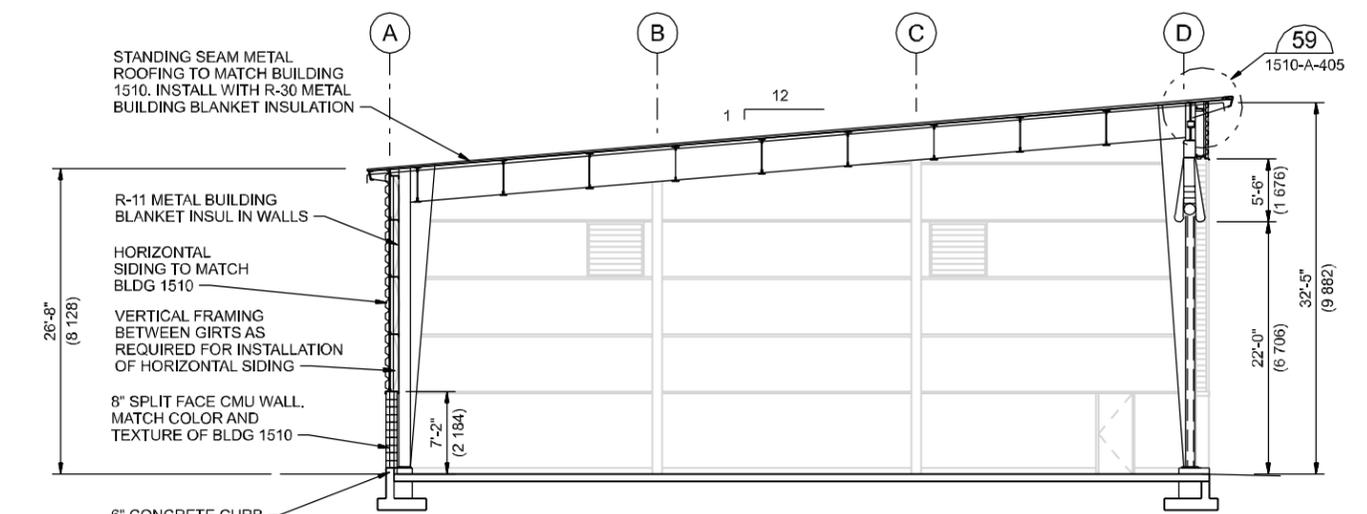
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UH-60 COLD STORAGE ARCHITECTURAL GROUND FLOOR PLAN AREA C

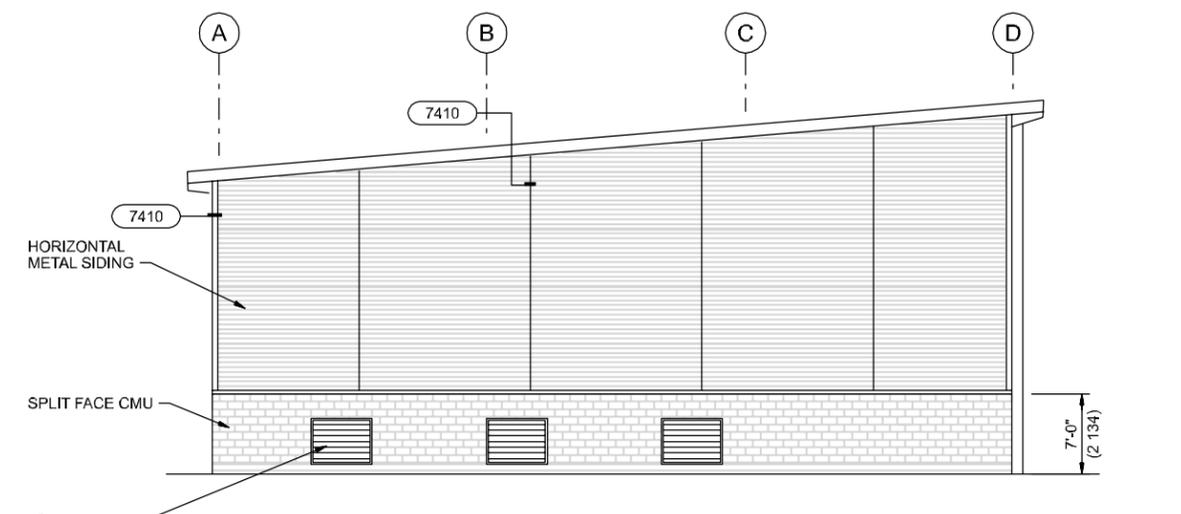
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WEST ELEVATION
1/8"=1'-0"



SECTION A
1/8"=1'-0"
1512-A-141
1510-A-142
1510-A-143



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

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2	ADDENDUM NO. 2	3/3/05

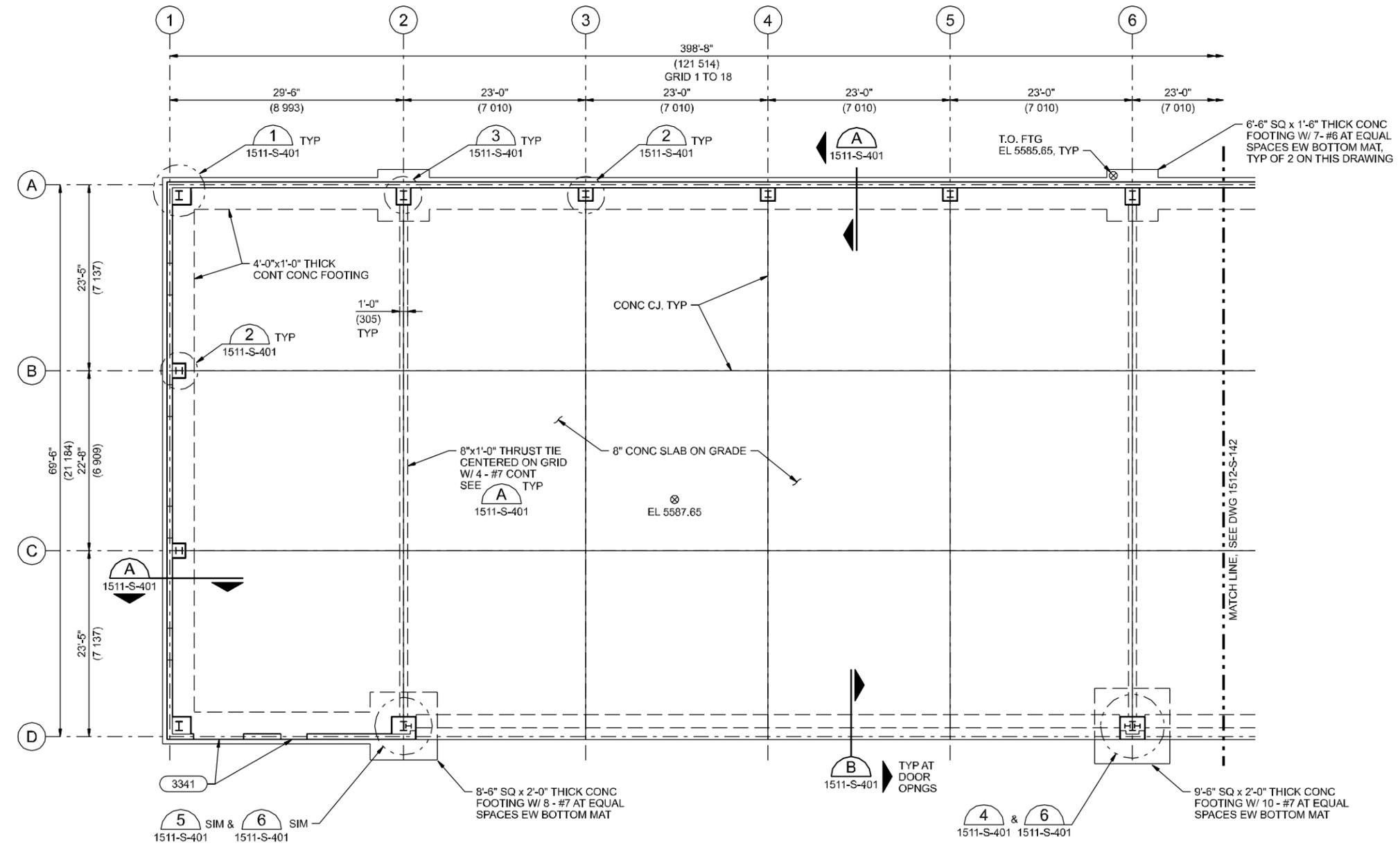
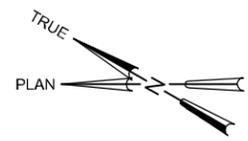
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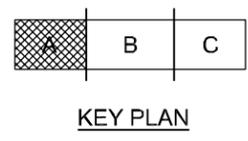
DRAWING TITLE:
UH-60 COLD STORAGE ARCHITECTURAL SECTION AND ELEVATIONS

DATE MAY 2005	PAGE NUMBER 1512-A-201
SHEET NO. 305 OF 374	



- NOTES:**
- FOUNDATION DESIGN IS BASED ON PRELIMINARY BUILDING DESIGN REACTIONS BY VARCO-PRUDEN. MODIFICATIONS MAY BE REQUIRED AFTER THE STRUCTURAL DESIGN OF THE BUILDING HAS BEEN COMPLETED BY THE BUILDING MANUFACTURER.
 - GRIDS A, D, 1 AND 18 ARE LOCATED AT THE OUTSIDE FACE OF GIRT AND THE CENTERLINE OF CMU.

FOUNDATION PLAN
1/8"=1'-0"



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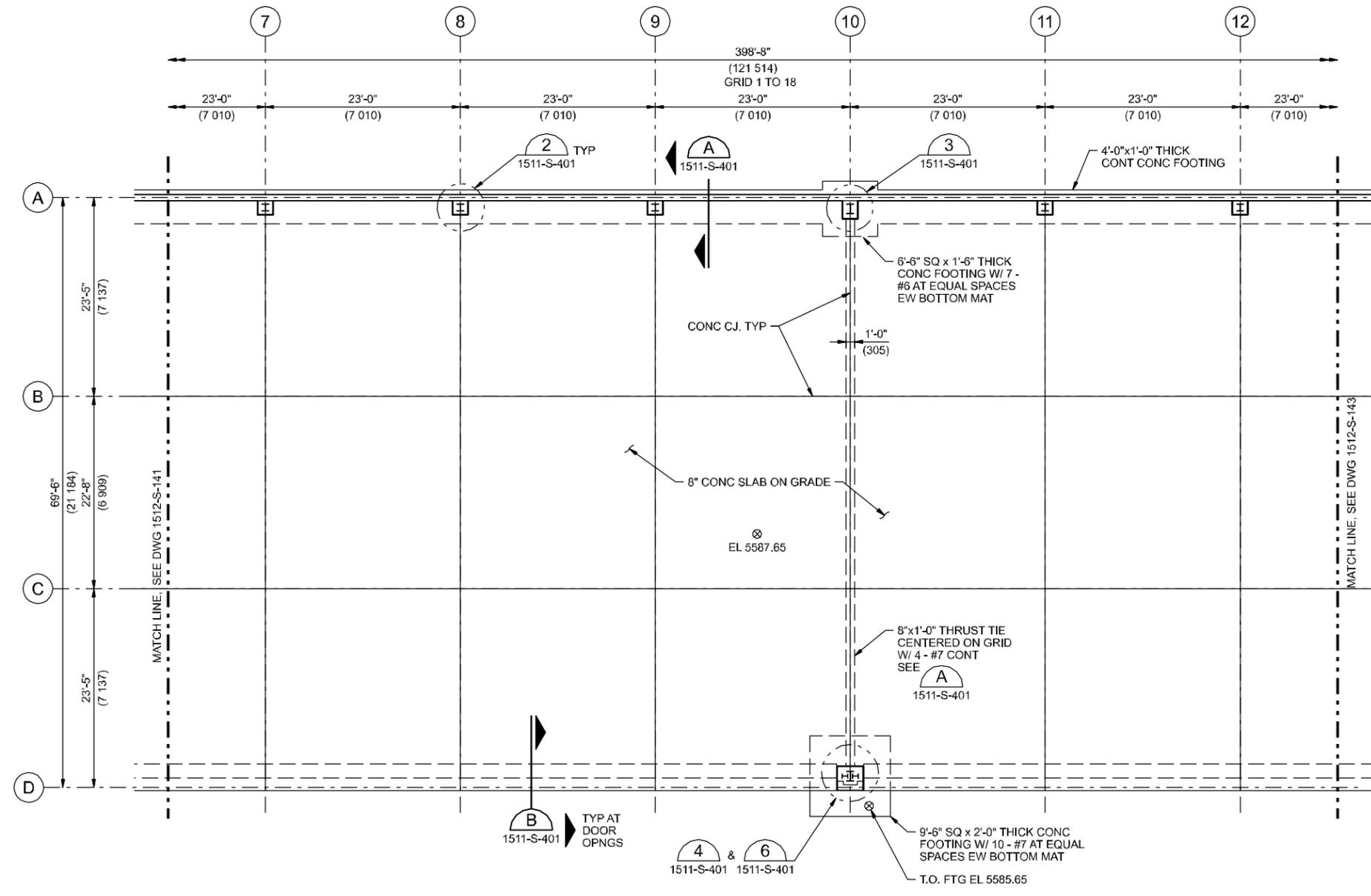
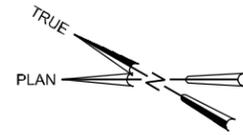
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DRAWING TITLE:
UH-60 COLD STORAGE
STRUCTURAL
FOUNDATION PLAN
AREA A

DATE NOV 2004	PAGE NUMBER 1512-S-141
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COOVER-CLARK
ARCHITECTS - ENGINEERS - LANDSCAPERS

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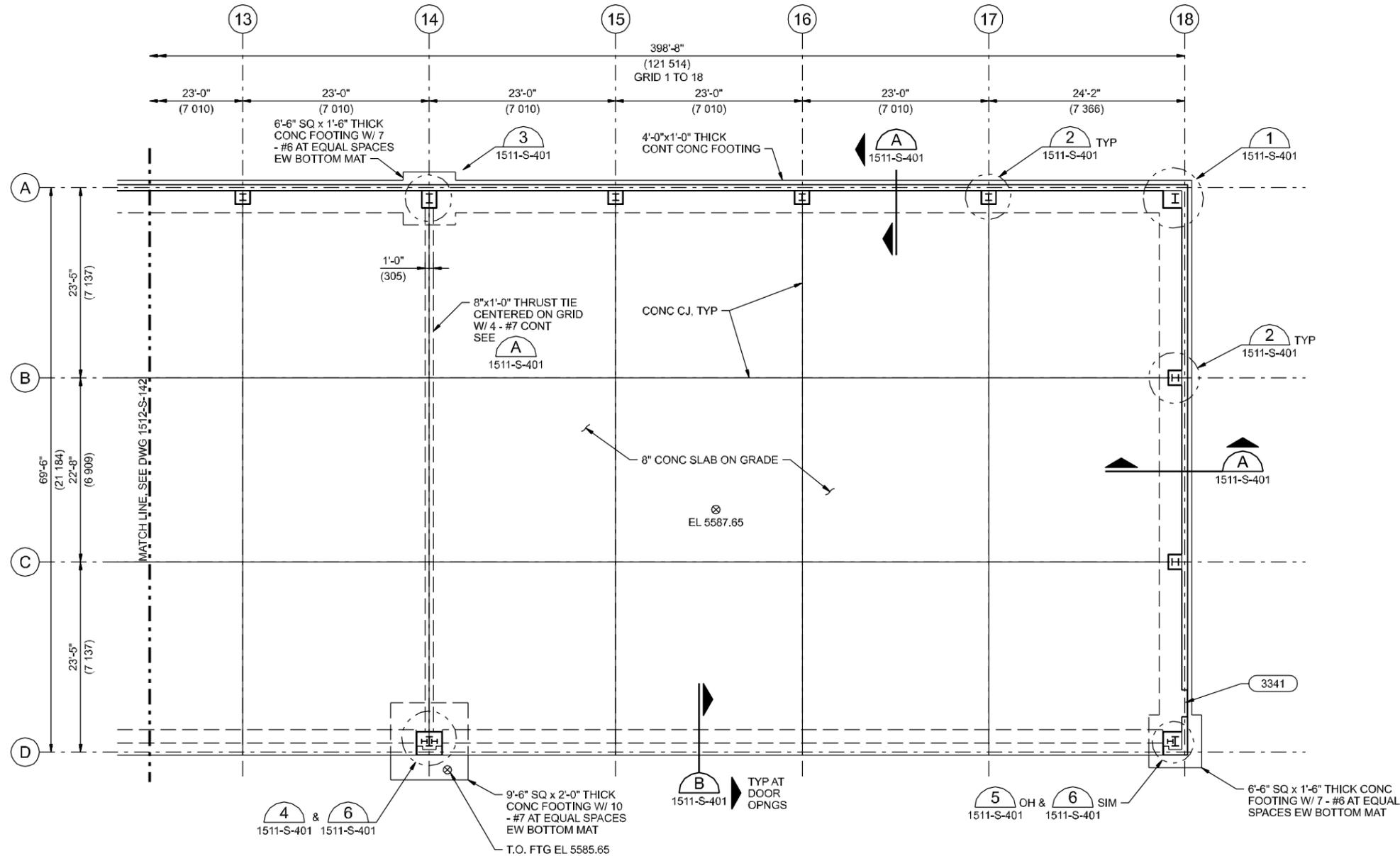
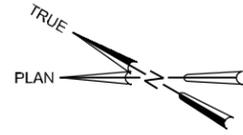
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UH-60 COLD STORAGE
STRUCTURAL
FOUNDATION PLAN
AREA B

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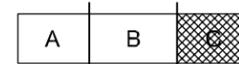


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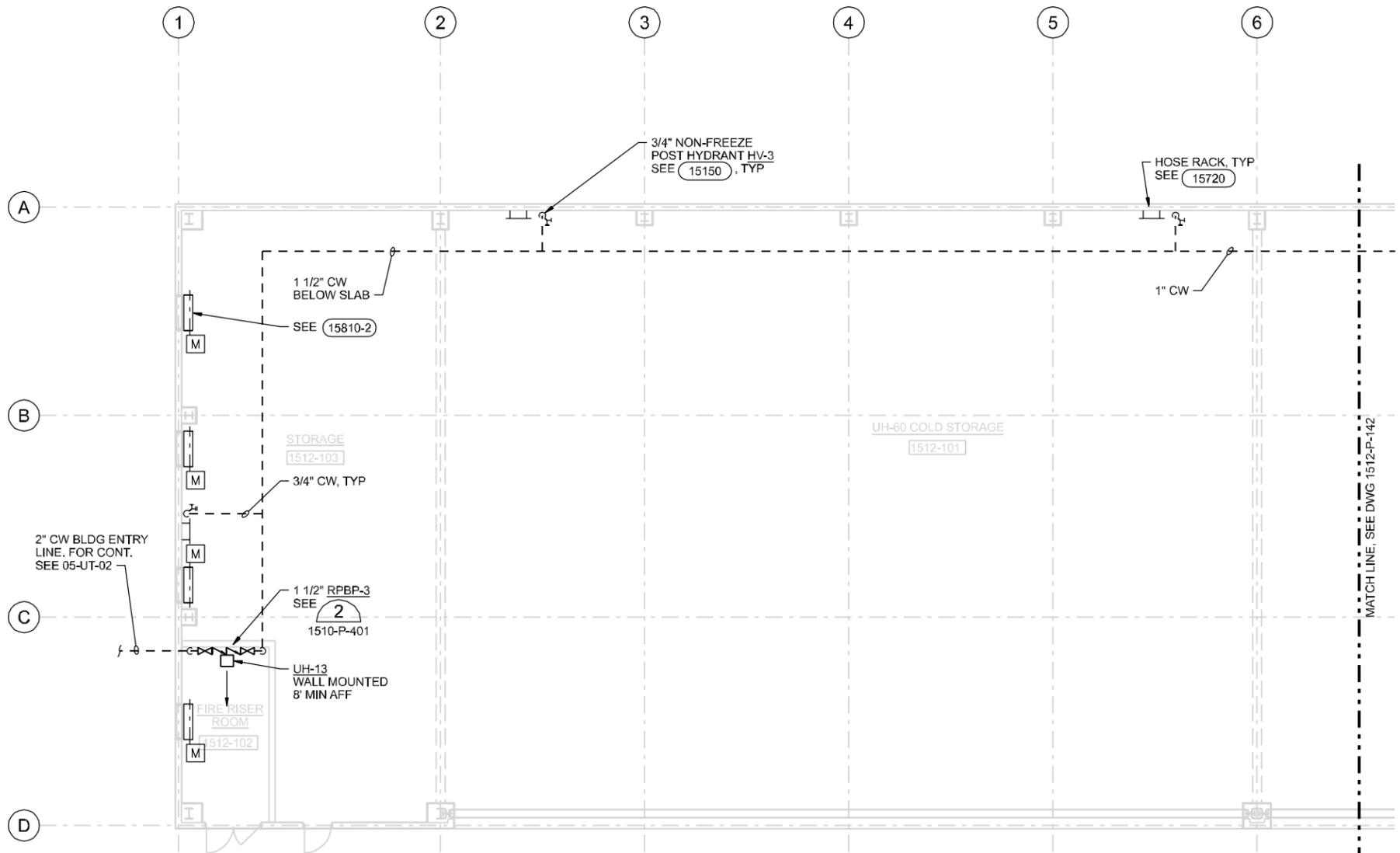
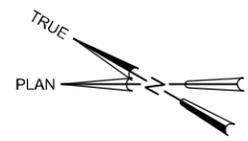
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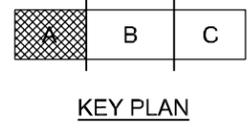
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UH-60 COLD STORAGE STRUCTURAL FOUNDATION PLAN AREA C

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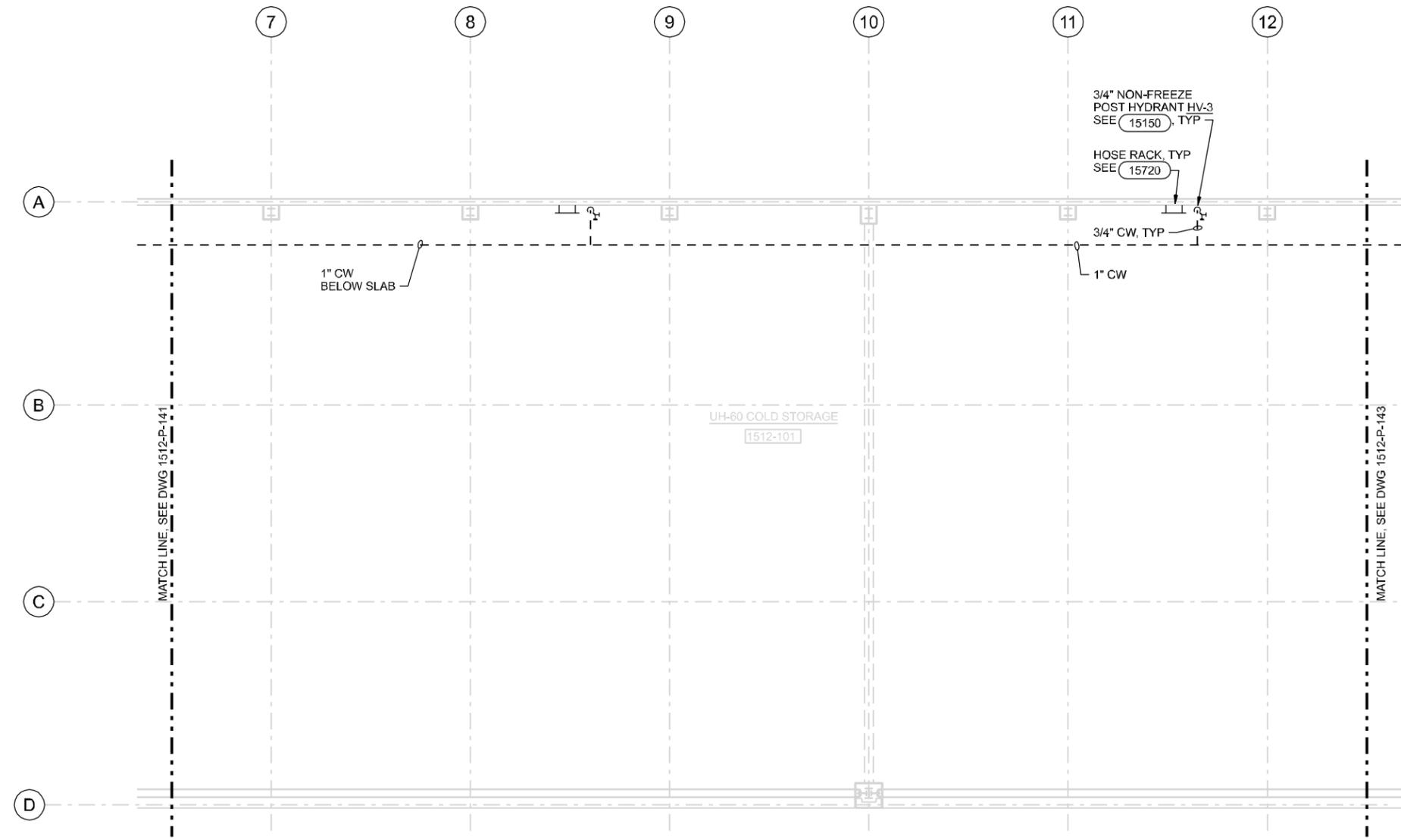
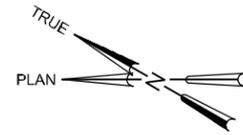
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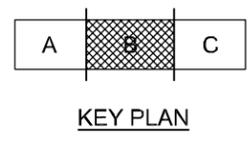
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DRAWING TITLE:
UH-60 COLD STORAGE
PLUMBING
GROUND FLOOR
SERVICE PIPING PLAN
AREA A

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GROUND FLOOR PLAN
1/8"=1'-0"



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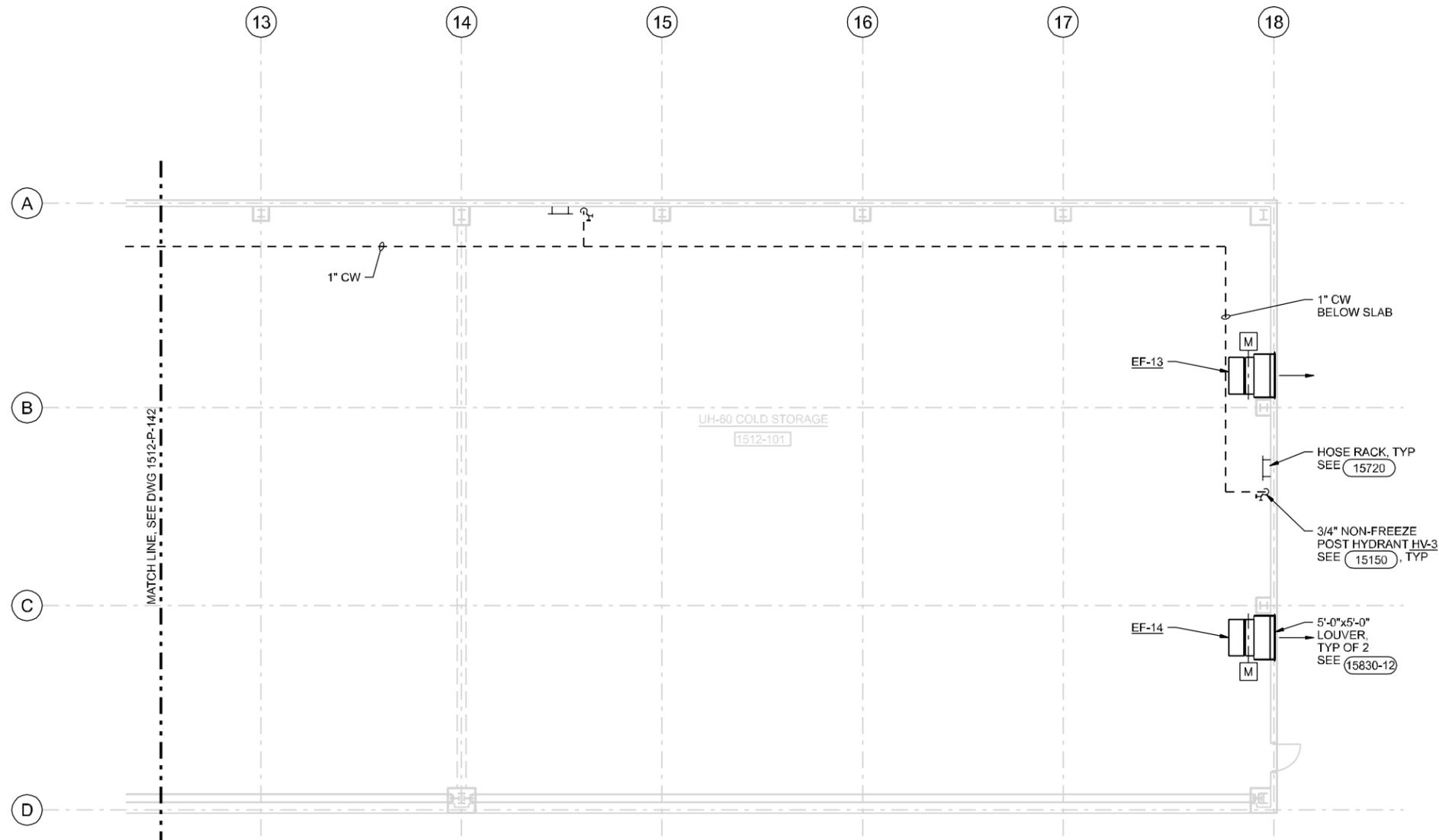
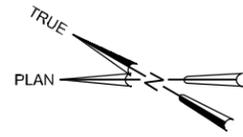
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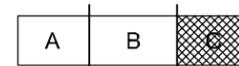
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 UH-60 COLD STORAGE
 PLUMBING
 GROUND FLOOR
 SERVICE PIPING PLAN
 AREA B

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GROUND FLOOR PLAN
1/8"=1'-0"



KEY PLAN

CH2MHILL

COOVER-CLARK
ARCHITECTS - ENGINEERS - LANDSCAPE ARCHITECTS

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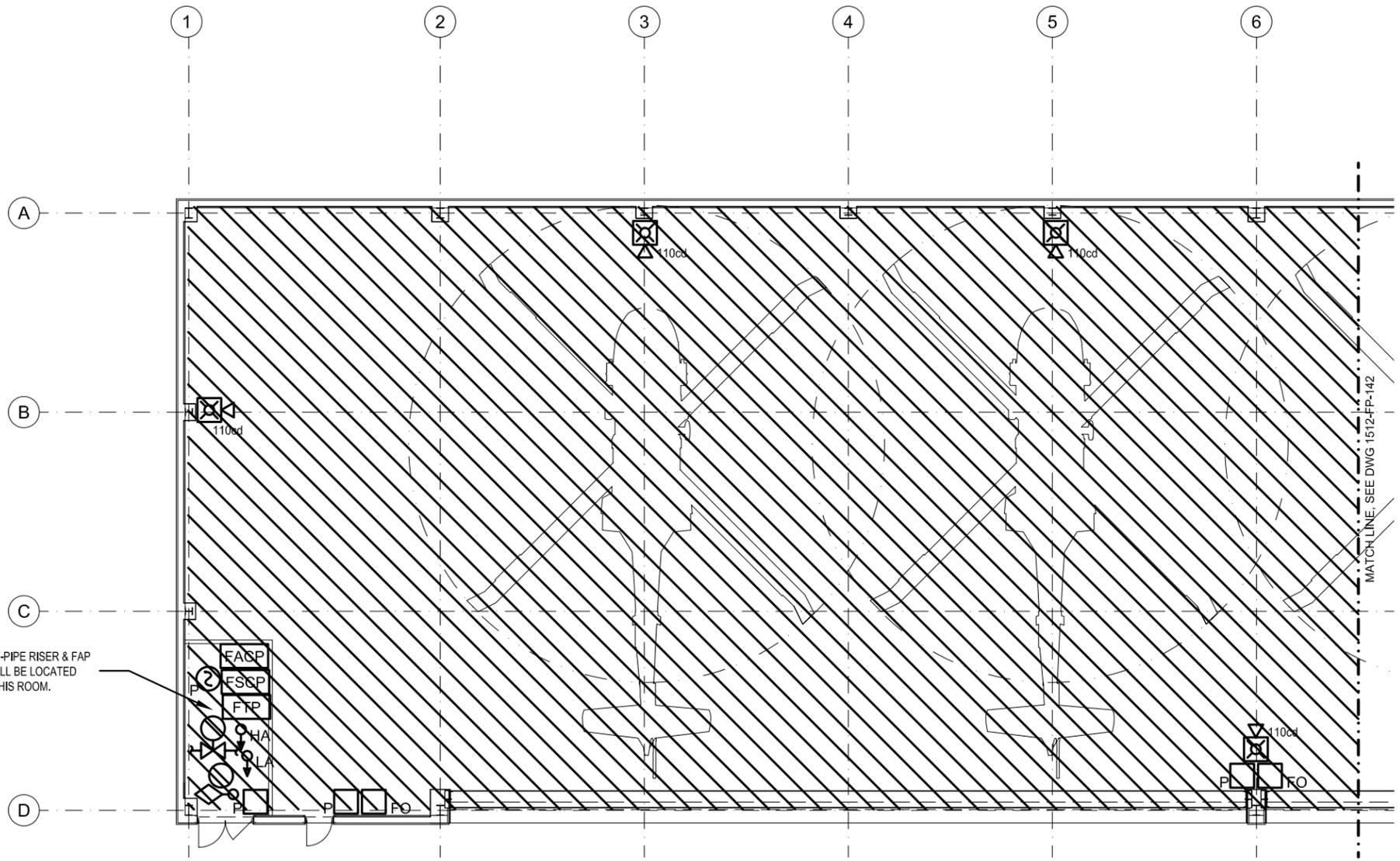
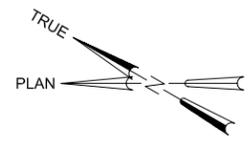
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UH-60 COLD STORAGE
PLUMBING
GROUND FLOOR
SERVICE PIPING PLAN
AREA C

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FIRE ALARM DEVICE SYMBOLS

- DENOTES AUDIO-VISUAL ALARM DEVICE
- DENOTES PHOTOELECTRIC SMOKE DETECTOR
- DENOTES MANUAL FOAM RELEASE STATION
- DENOTES MANUAL PULL STATION
- DENOTES FIRE ALARM CONTROL PANEL
- DENOTES FOAM SYSTEM CONTROL PANEL
- DENOTES FIRE ALARM TRANSMITTER PANEL

- DENOTES VALVE SUPERVISORY SWITCH
- DENOTES SPRINKLER WATERFLOW SWITCH
- DENOTES PRESSURE SWITCH (LOW AIR)
- DENOTES PRESSURE SWITCH (HIGH AIR)
- DENOTES VALVE WITH TAMPER SWITCH

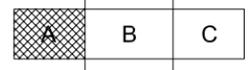
- SUB-SCRIPTS**
- cd DENOTES CANDELA RATING OF DEVICE
 - C DENOTES CEILING MOUNTED DEVICE

AREA SYMBOLS -

DENOTES ORDINARY HAZARD GRP. 2 - DENSITY - 8.1 LPM/SQ.M. AREA - 6,500 SQ.M.

NOTE:
ENLARGED DESIGN AREA FOR DRY-PIPE SPRINKLER COVERAGE

GROUND FLOOR PLAN
1/8"=1'-0"



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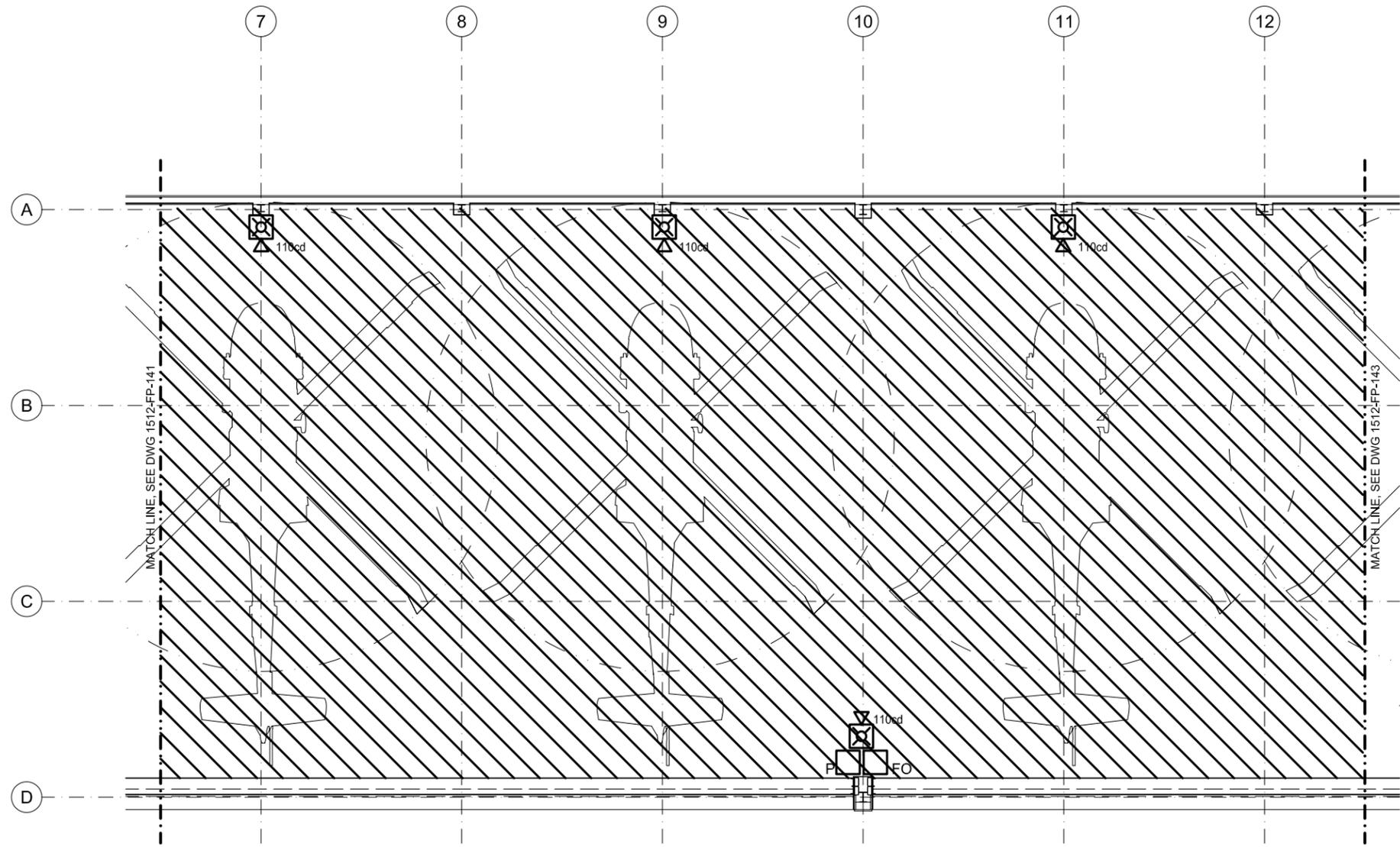
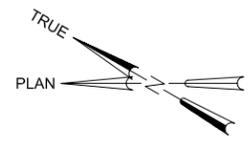
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FIRE PROTECTION
GROUND FLOOR PLAN
AREA A

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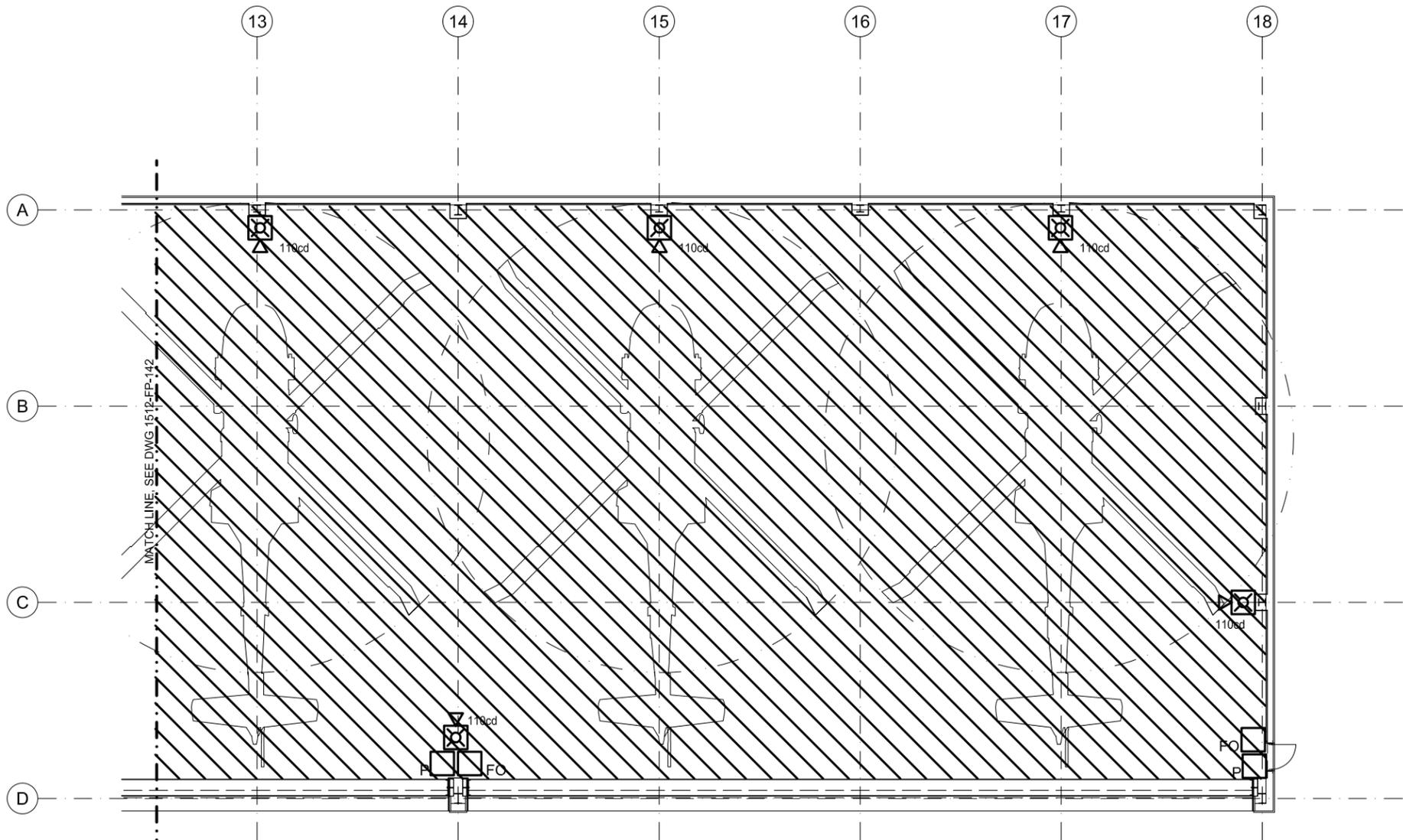
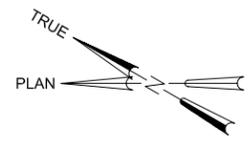
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- DENOTES VALVE WITH TAMPER SWITCH

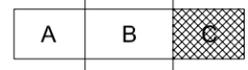
- SUB-SCRIPTS**
- cd DENOTES CANDELA RATING OF DEVICE
 - C DENOTES CEILING MOUNTED DEVICE

AREA SYMBOLS -

DENOTES ORDINARY HAZARD GRP. 2 - DENSITY - 8.1 LPM/SQ.M. AREA - 6,500 SQ.M.

NOTE:
ENLARGED DESIGN AREA FOR DRY-PIPE SPRINKLER COVERAGE

GROUND FLOOR PLAN
1/8"=1'-0"



KEY PLAN

VERIFY SCALE:
BAR IS ONE INCH ON ORIGINAL DRAWING
0 [] 1"
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MARK	REVISION	DATE

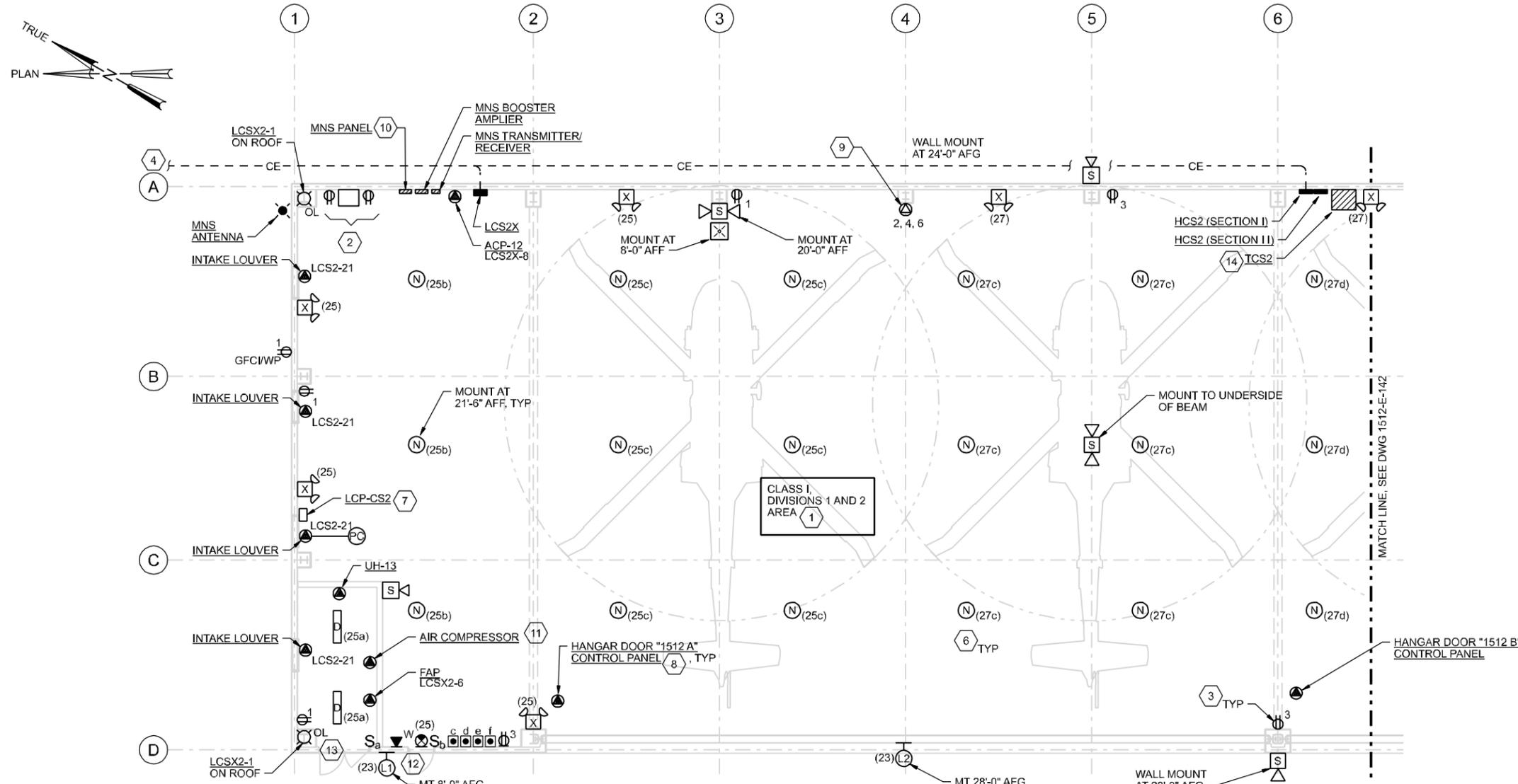
CHIEF OF ENGRG.	USING AGENCY
ME AARON	
DESIGNED BY	FIRE CHIEF
G GERVAIS	
DRAWN BY	BIO-ENVR. ENGR.
ME AARON	
CHECKED BY	SAFETY
ED PIETERICK	
APPROVED BY	COMMUNICATION

COARNG PROJECT NUMBER:
080119
CH2M HILL JOB NUMBER:
184347

PROJECT TITLE:
COLORADO ARMY
NATIONAL GUARD
**ARMY AVIATION
SUPPORT FACILITY**
BUCKLEY AFB
AURORA, COLORADO 80011
(303) 340-9900

DRAWING TITLE:
UH-60 COLD STORAGE
FIRE PROTECTION
GROUND FLOOR PLAN
AREA C

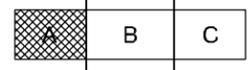
DATE NOV 2004	PAGE NUMBER 1512-FP-143
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NOTES:

1. BUILDING INTERIOR IS CLASSIFIED AS FOLLOWS:
 - a. CLASS I, DIVISION 1, IN ANY TRENCH OR PIT BELOW FLOOR LEVEL.
 - b. CLASS I, DIVISION 2 UP TO A LEVEL 18 INCHES ABOVE THE FLOOR AND WITHIN 5 FEET OF PARKED AIRCRAFT. ELECTRICAL EQUIPMENT SHALL BE RATED FOR THE HAZARDOUS AREA AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AND NEC ARTICLE 501.
 - c. MOUNT ALL ELECTRICAL EQUIPMENT SUCH THAT BOTTOM OF EQUIPMENT IS 18" AFF MINIMUM.
2. PROVIDE THE FOLLOWING FOR COMM EQUIPMENT:
 - a. PROVIDE RECEPTACLE OF A CONFIGURATION TO MATCH PLUG FOR COMM PANEL POWER STRIP. PROVIDE POWER FROM LCS2X.
 - b. WALL MOUNT CABINET FOR FIBER PATCH PANELS AND GF/GI EQUIPMENT. FOR ADDITIONAL REQUIREMENTS, SEE SPECIFICATION SECTION 16700. KEEP CLEAR AREA 3' IN FRONT AND BACK OF EQUIPMENT OF CABINET.
 - c. SUPPLY AND INSTALL 3/4" EXTERIOR GRADE PLYWOOD ON WALL 4' ON EITHER SIDE OF CABINET FROM FLOOR TO 8' AFF. PAINT TWO COATS OF GREY ENAMEL.
 - d. GROUND BUS BAR DIMENSIONS 24"Lx6"H, MOUNT 7' AFF. PROVIDE A #1/0 COPPER CONDUCTOR FROM THE ELECTRICAL SERVICE ENTRANCE GROUND TO THE GROUND BUS. DIRECT CONNECTION ONLY. NO TAPS ALLOWED. SEE 16458
 - e. TERMINATE COMM CONDUITS INTO COMM CABINET.
3. HOME RUN ALL 208/120V ITEMS TO PANEL LCS2 AND 480/277V ITEMS TO HCS2 UNLESS OTHERWISE NOTED.
4. FOR CONTINUATION OF CONDUITS, SEE DRAWING 09-E-101.
5. FOR LUMINARE SCHEDULE AND LUMINARE NOTES, SEE DRAWING 09-E-510 AND 09-E-511.
6. a. CIRCUIT NUMBERS ARE SHOWN ADJACENT TO LIGHTS. FOR EXAMPLE: THE (1) INDICATES CIRCUIT NO. 1 IN PANEL HSC2. ALL LIGHTS ARE POWERED FROM HSC2 UON.
 - b. FURNISH, INSTALL AND CONNECT THE QUANTITY OF CONDUCTORS IN CONDUIT AS REQUIRED FOR THE COMBINATIONS OF LIGHTS AND LIGHT SWITCHES ASSIGNED TO THE BRANCH CIRCUIT SHOWN.
6. (CONT)
 - c. FURNISH, INSTALL NO. 12 AWG WIRE WITH NO. 12 AWG GROUND IN 3/4" CONDUIT FOR CIRCUIT LENGTHS LESS THAN 75 FEET. PROVIDE NO. 10 AWG WIRE SIZE FOR LENGTHS GREATER THAN 75 FEET.
7. PROVIDE AND INSTALL LIGHTING CONTROL PANEL LCP-CS2 ENCLOSURE. SIZE AS REQUIRED FOR LIGHTING CONTACTORS LC-c, d, e, f, SEE WIRING DIAGRAM ON DWG 1512-E-501.
8. FOR CONDUIT AND CONDUCTOR REQUIREMENTS, SEE WIRING DIAGRAM ON DRAWING 09-E-502.
9. PROVIDE 50A, 208V, 3 PHASE, 5W RECEPTACLE WITH CAP. COORDINATE RECEPTACLE CONFIGURATION WITH CONTRACTING OFFICER.
10. FOR MNS RISER DIAGRAM, SEE DWG 09-E-507.
11. COORDINATE LOCATION OF FIRE SPRINKLER AIR COMPRESSOR WITH FIRE SPRINKLER INSTALLER. PROVIDE [1"C, 3#12, 1#12G] FROM COMPRESSOR TO HCS2.
12. KEY CARD ACCESS SYSTEM, SEE WIRING DIAGRAM ON DWG 09-E-502.
13. LIMIT SWITCH ON DOOR. PROVIDE [3/4"C, 2#14, 1#14G] TO ACP-2.
14. PROVIDE TRANSFORMER WITH WALL MOUNT BRACKETS AND MOUNT ON WALL SO BOTTOM OF TRANSFORMER IS 18" AFF. PROVIDE ANCHORS PER MANUFACTURER'S RECOMMENDATION AND COORDINATE LOCATION WITH WALL CONSTRUCTION TO ENSURE BLOCK WALL IS FILLED WITH GROUT AT ANCHOR LOCATIONS.

GROUND FLOOR PLAN
1/8"=1'-0"



KEY PLAN

VERIFY SCALE:
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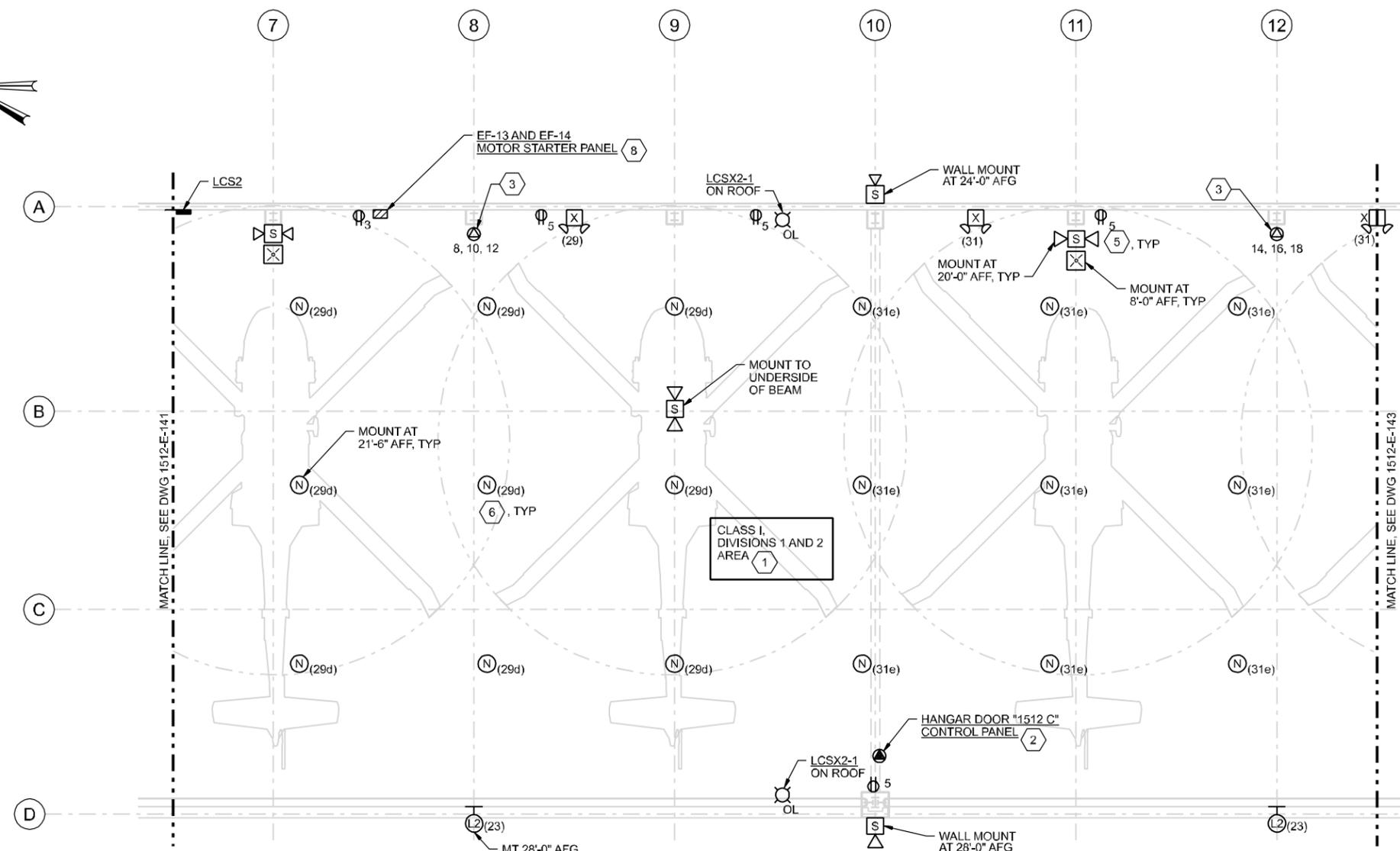
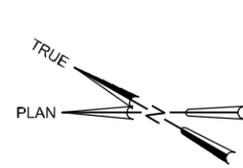
CHIEF OF ENGRG.	USING AGENCY
TG OSSOWSKI	FIRE CHIEF
DESIGNED BY	
MS MCNEELY	BIO-ENVIR. ENGR.
DRAWN BY	
RG COLLETTE	SAFETY
CHECKED BY	
EB PIETERICK	COMMUNICATION
APPROVED BY	

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DRAWING TITLE:
UH-60 UNHEATED STORAGE ELECTRICAL GROUND FLOOR PLAN AREA A

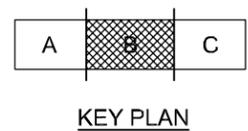
DATE NOV 2004	PAGE NUMBER 1512-E-141
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NOTES:

1. BUILDING INTERIOR IS CLASSIFIED AS FOLLOWS:
 - a. CLASS I, DIVISION 1, IN ANY TRENCH OR PIT BELOW FLOOR LEVEL.
 - b. CLASS I, DIVISION 2 UP TO A LEVEL 18 INCHES ABOVE THE FLOOR AND WITHIN 5 FEET OF PARKED AIRCRAFT. ELECTRICAL EQUIPMENT SHALL BE RATED FOR THE HAZARDOUS AREA AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AND NEC ARTICLE 501.
 - c. MOUNT ALL ELECTRICAL EQUIPMENT SUCH THAT BOTTOM OF EQUIPMENT IS 18" AFF MINIMUM.
2. FOR CONDUIT AND CONDUCTOR REQUIREMENTS, SEE WIRING DIAGRAM ON DRAWING 09-E-502.
3. PROVIDE 50A, 208V, 3 PHASE, 5W RECEPTACLE WITH CAP. COORDINATE RECEPTACLE CONFIGURATION WITH CONTRACTING OFFICER.
4. NOT USED.
5. HOME RUN ALL 208/120V ITEMS TO PANEL LCS2 AND 480/277V ITEMS TO HCS2 UNLESS OTHERWISE NOTED.
6. FOR LUMINAIRE SCHEDULE AND LUMINAIRE NOTES, SEE DWG 09-E-510 AND 09-E-511.
7.
 - a. CIRCUIT NUMBERS ARE SHOWN ADJACENT TO LIGHTS, FOR EXAMPLE: THE (1) INDICATES CIRCUIT NO. 1 IN PANEL HSC2 DEPENDING ON LOCATION, ALL LIGHTS ARE POWERED FROM HSC2 UON.
 - b. FURNISH, INSTALL AND CONNECT THE QUANTITY OF CONDUCTORS IN CONDUIT AS REQUIRED FOR THE COMBINATIONS OF LIGHTS AND LIGHT SWITCHES ASSIGNED TO THE BRANCH CIRCUIT SHOWN.
 - c. FURNISH, INSTALL NO. 12 AWG WIRE WITH NO. 12 AWG GROUND IN 3/4" CONDUIT FOR CIRCUIT LENGTHS LESS THAN 75 FEET. PROVIDE NO. 10 AWG WIRE SIZE FOR LENGTHS GREATER THAN 75 FEET.
8. FOR CONTROL DIAGRAM, SEE DWG 09-E-506.

GROUND FLOOR PLAN
1/8"=1'-0"



VERIFY SCALE:
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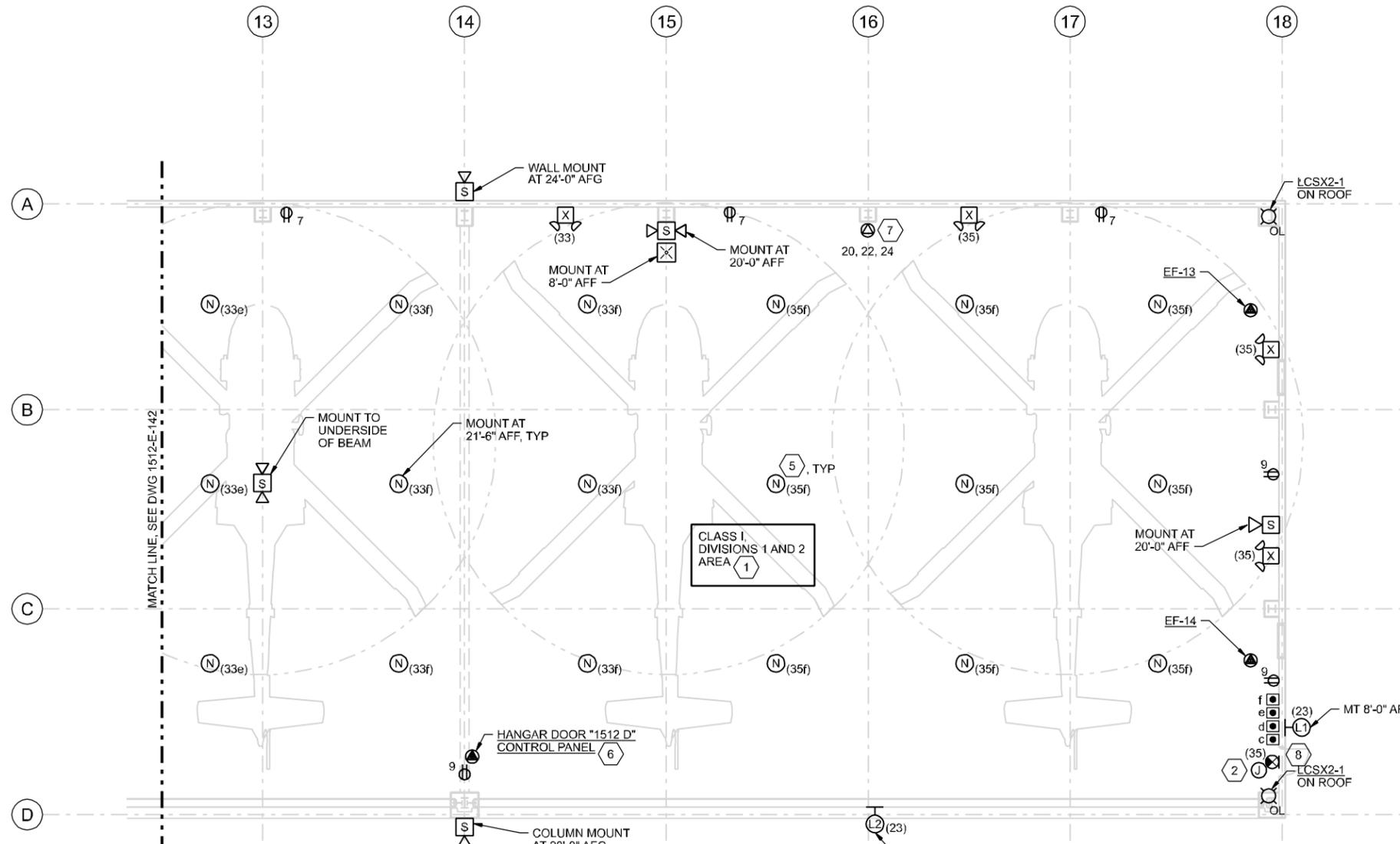
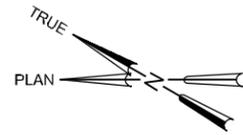
CHIEF OF ENGRG.	USING AGENCY
TG OSSOWSKI	
DESIGNED BY	FIRE CHIEF
MS MCNEELY	
DRAWN BY	BIO-ENVR. ENGR.
RG COLLETTE	
CHECKED BY	SAFETY
EB PIETERICK	
APPROVED BY	COMMUNICATION

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DRAWING TITLE:
UH-60 UNHEATED STORAGE
ELECTRICAL
GROUND FLOOR PLAN
AREA B

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NOTES:

1. BUILDING INTERIOR IS CLASSIFIED AS FOLLOWS:
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 - c. MOUNT ALL ELECTRICAL EQUIPMENT SUCH THAT BOTTOM OF EQUIPMENT IS 18" AFF, MIN.
2. PROVIDE JUNCTION BOX ON ROOF AND 1-1/2" C PULLSTRING FROM JUNCTION BOX TO ELECTRICAL ROOM 166, 1-1/2" C, PULLSTRING TO PANEL LCS2 FOR GF/GI SECURITY CAMERA. COORDINATE JUNCTION BOX LOCATION WITH CONTRACTING OFFICER.
3. HOME RUN ALL 208/120V ITEMS TO PANEL LCS2 AND 480/277V ITEMS TO HCS2 UNLESS OTHERWISE NOTED.
4. FOR LUMINAIRE SCHEDULE AND LUMINAIRE NOTES, SEE DWG 09-E-510 AND 09-E-511.
5.
 - a. CIRCUIT NUMBERS ARE SHOWN ADJACENT TO LIGHTS. FOR EXAMPLE: THE (1) INDICATES CIRCUIT NO. 1 IN PANEL HCS2. ALL LIGHTS ARE POWERED FROM HCS2 UON.
 - b. FURNISH, INSTALL AND CONNECT THE QUANTITY OF CONDUCTORS IN CONDUIT AS REQUIRED FOR THE COMBINATIONS OF LIGHTS AND LIGHT SWITCHES ASSIGNED TO THE BRANCH CIRCUIT SHOWN.
 - c. FURNISH, INSTALL NO. 12 AWG WIRE WITH NO. 12 AWG GROUND IN 3/4" CONDUIT FOR CIRCUIT LENGTHS LESS THAN 75 FEET. PROVIDE NO. 10 AWG WIRE SIZE FOR LENGTHS GREATER THAN 75 FEET.
6. FOR CONDUIT AND CONDUCTOR REQUIREMENTS, SEE WIRING DIAGRAM ON DRAWING 09-E-502.
7. PROVIDE 50A, 208V, 3 PHASE, 5W RECEPTACLE WITH CAP. COORDINATE RECEPTACLE CONFIGURATION WITH CONTRACTING OFFICER.

8. LIMIT SWITCH ON DOOR. PROVIDE [3/4" C, 2 #14, 1 #14G] TO ACP-12.

GROUND FLOOR PLAN
1/8"=1'-0"



KEY PLAN

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0 1"
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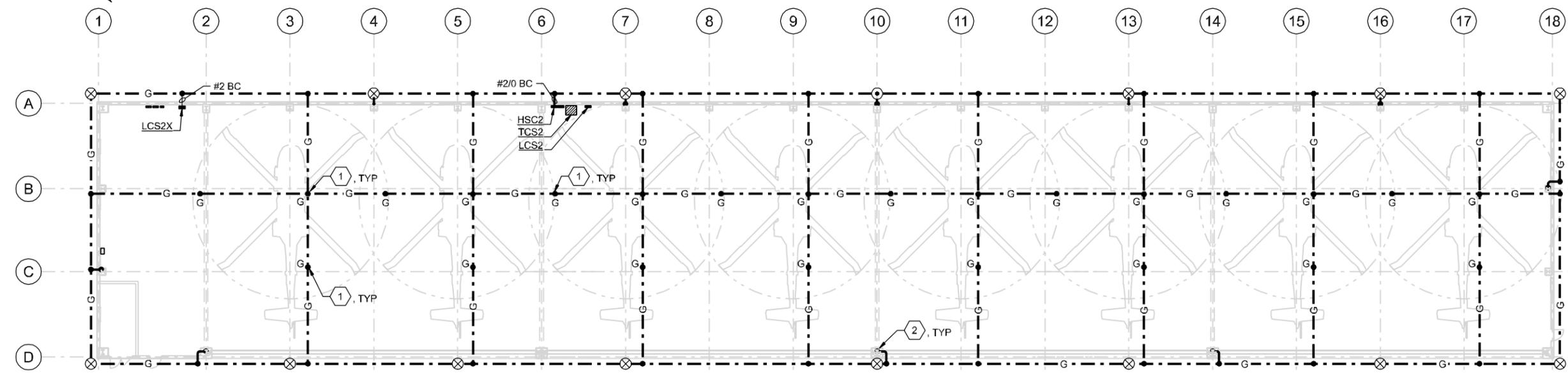
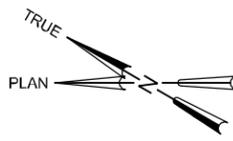
CHIEF OF ENGRG.	USING AGENCY
TG OSSOWSKI	FIRE CHIEF
DESIGNED BY	
MS MCNEELY	BIO-ENVIR. ENGR.
DRAWN BY	
RG COLLETTE	SAFETY
CHECKED BY	
EB PIETERICK	COMMUNICATION
APPROVED BY	

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BUCKLEY AFB
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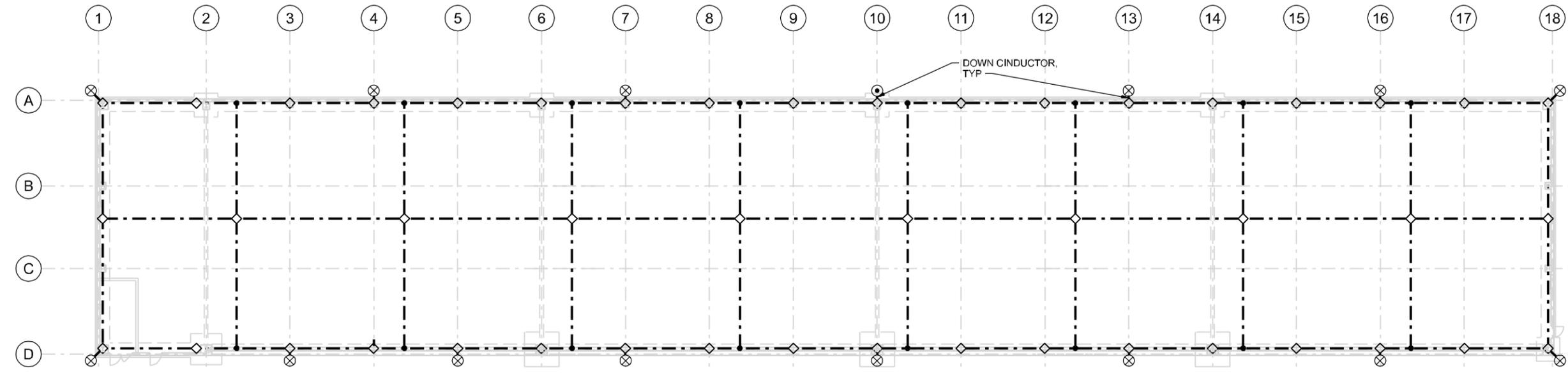
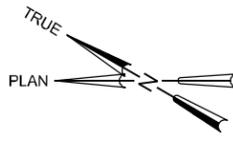
DRAWING TITLE:
UH-60 UNHEATED STORAGE ELECTRICAL GROUND FLOOR PLAN AREA C

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GROUNDING PLAN
1/16"=1'-0"

- NOTES:**
- COORDINATE GROUND POINT LOCATIONS WITH CONTRACTING OFFICER.
 - CONNECT TO BUILDING FOOTING REBAR AND BUILDING STEEL.
 - GROUND RODS SHOWN ON GROUNDING PLAN ARE THE SAME GROUND RODS AS THOSE SHOWN ON THE LIGHTNING PROTECTION PLAN.



LIGHTNING PROTECTION PLAN
1/16"=1'-0"

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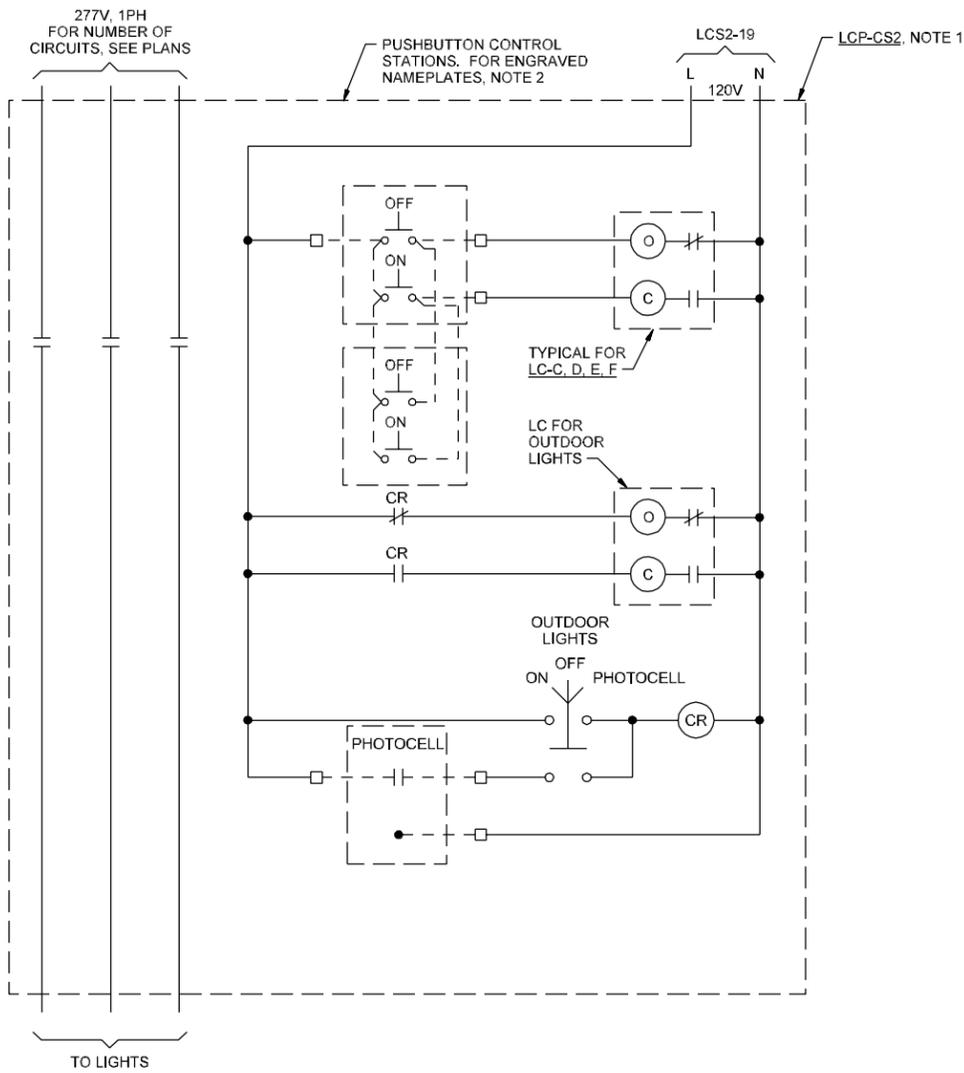
CHIEF OF ENGRG.	USING AGENCY
J ZAHIR	
DESIGNED BY	FIRE CHIEF
DW CLARK	
DRAWN BY	BIO-ENVR. ENGR.
RG COLLETTE	
CHECKED BY	SAFETY
EB PIETERICK	
APPROVED BY	COMMUNICATION

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BUCKLEY AFB
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DRAWING TITLE:
UH-60 UNHEATED STORAGE
ELECTRICAL
GROUNDING AND LIGHTNING
PROTECTION PLANS

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NOTES:

1. MOUNT CONTACTORS IN ONE ENCLOSURE, PAINTED STEEL, NEMA 12, SIZE AS REQUIRED. WALL MOUNTED WITH HINGED DOOR, WITH PADLOCKING HANDLE AND TWO SETS OF KEYS. ENGRAVE NAMEPLATE: "UH60 HANGAR LIGHTING CONTACTOR PANEL".
2. ENGRAVE NAMEPLATE FOR EACH CONTROL STATION AS FOLLOWS:

CONTROL STATION	NAMEPLATE INSCRIPTION
c	NORTH LIGHTS
d	NORTH MIDDLELIGHTS
e	SOUTH MIDDLE LIGHTS
f	SOUTH LIGHTS
3. ALL LIGHTING CONTACTORS ARE MECHANICALLY HELD CONTACTORS WITH 120 VOLT COILS AND 30 AMP CONTACTS.

LCP-CS2 LIGHTING CONTROL DIAGRAM
NTS

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TG OSSOWSKI	
DESIGNED BY	FIRE CHIEF
MS MCNEELY	
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ELECTRICAL
LIGHTING CONTROL DIAGRAM

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