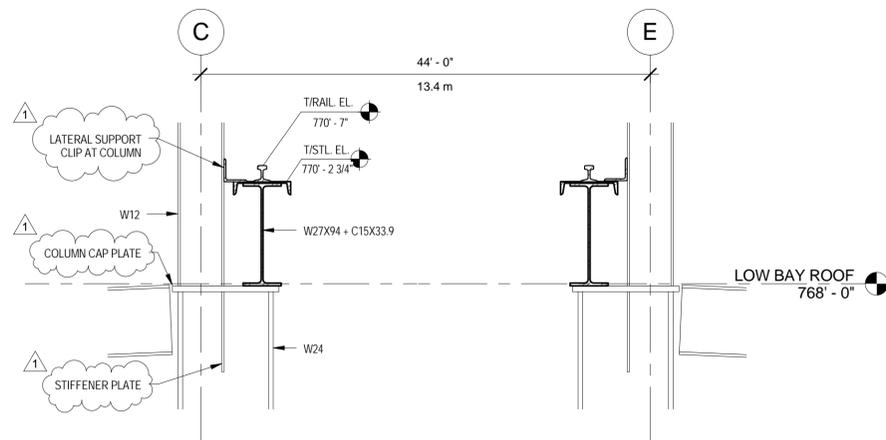


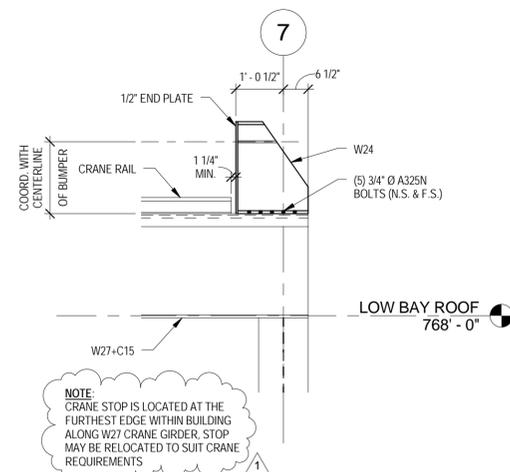
CRANE RUNWAY FRAMING

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



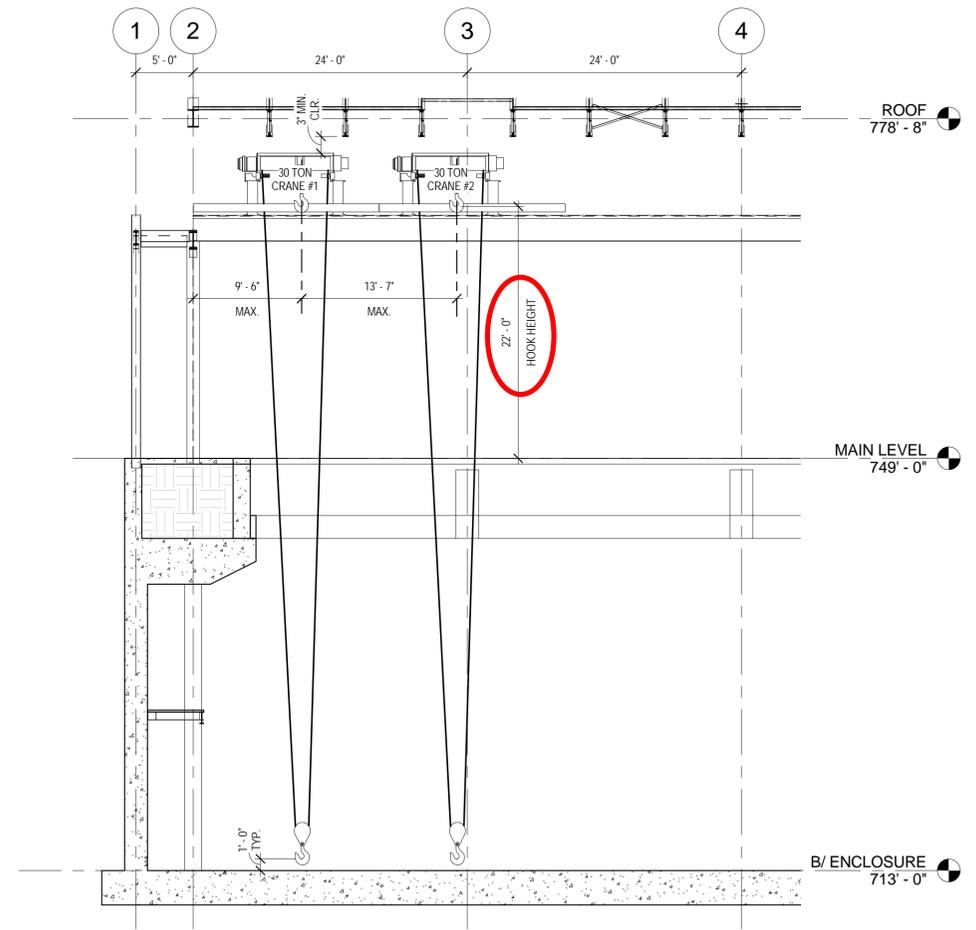
SECTION AT CRANE SUPPORTS

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



CRANE END STOP DETAIL

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



SECTION AT CRANES

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

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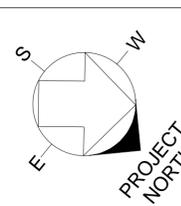
REV.	DATE	AMENDMENT #1	DESCRIPTION
1	04/22/15		
REVISIONS			



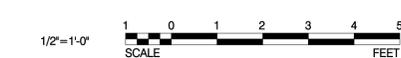
140 South Dearborn Chicago, IL 60603
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	FERMI LAB	DATE
DESIGNED	N.PALL	04/22/2015
DRAWN	N.PALL	04/22/2015
CHECKED	T.HARRISON	04/22/2015
APPROVED		
SUBMITTED		



SCALE:



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UNITED STATES DEPARTMENT OF ENERGY



SBN FAR DETECTOR BUILDING
30t OVERHEAD CRANES - PLAN,
SECTIONS AND DETAILS

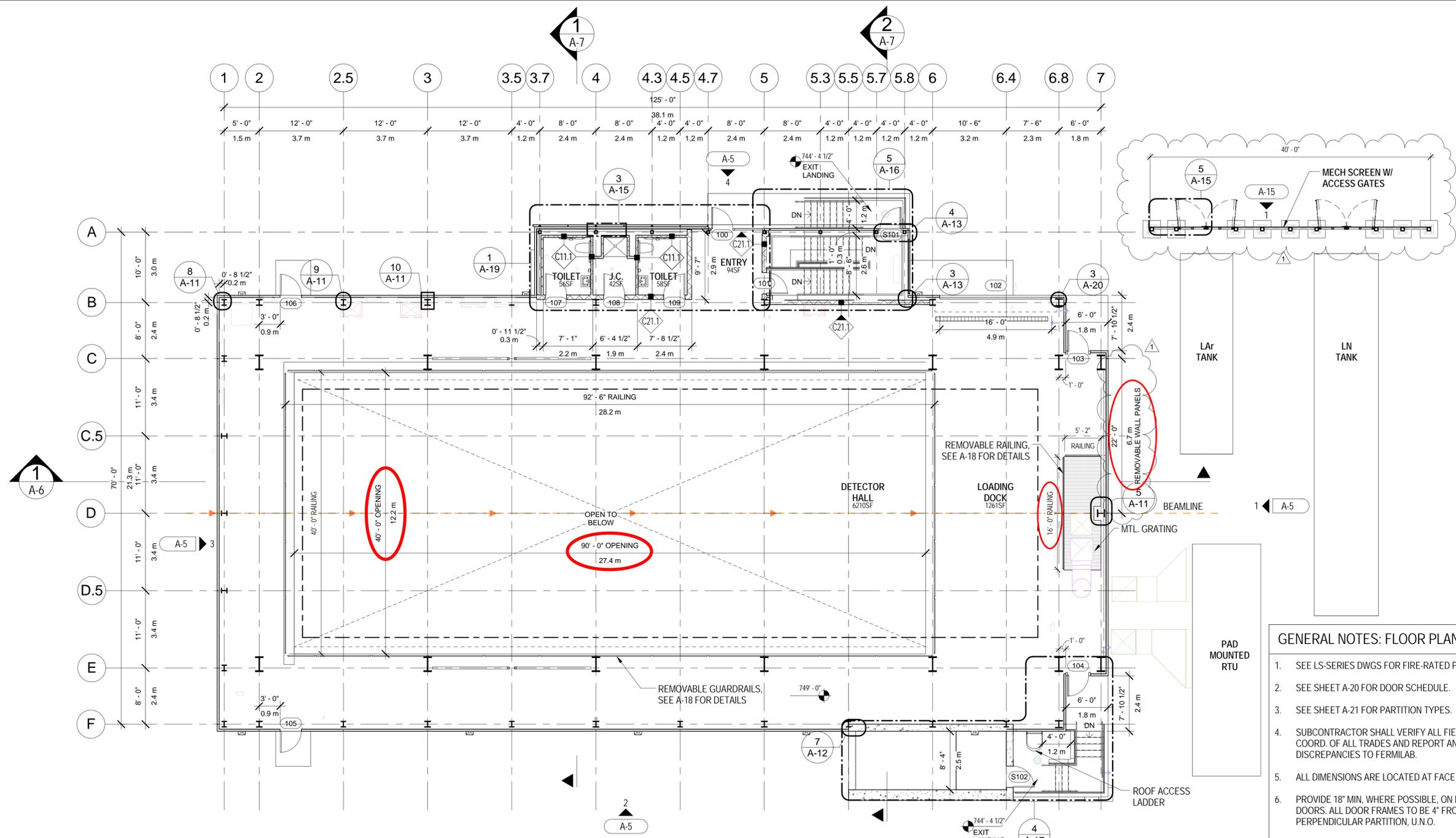
DRAWING NO. **6-7-93**

S-10 REV. 1

30 MAR. 2015

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GRADE LEVEL PLAN

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

GENERAL NOTES: FLOOR PLANS

1. SEE LS-SERIES DWGS FOR FIRE-RATED PARTITION LOCATIONS.
2. SEE SHEET A-20 FOR DOOR SCHEDULE.
3. SEE SHEET A-21 FOR PARTITION TYPES.
4. SUBCONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS FOR COORD. OF ALL TRADES AND REPORT ANY CONFLICTS OR DISCREPANCIES TO FERMI LAB.
5. ALL DIMENSIONS ARE LOCATED AT FACE OF FINISH, U.N.O.
6. PROVIDE 18" MIN. WHERE POSSIBLE, ON LATCH SIDE OF ALL DOORS. ALL DOOR FRAMES TO BE 4" FROM THE CLOSEST PERPENDICULAR PARTITION, U.N.O.
7. PROVIDE MOP SINK WITH WALL GUARD, MOP HOLDER AND UTILITY SHELF AT ALL JANITOR CLOSETS.
8. FILL ALL SLAB PENETRATIONS WITH FIRESTOPPING MATERIAL (SEE SPEC.)
9. ALL H.M. DOORS & H.M. FRAMES TO BE PAINTED.
10. ALL EXT. STEEL TO BE GALVANIZED AND PTD. (U.N.O.)
11. SUBCONTRACTOR TO COORD. WOOD BLOCKING FOR WALL-MOUNTED ITEMS SUCH AS, TOILET ACCESSORIES, HANDRAILS, ETC.
12. FOR LARGE OPENINGS IN FLOORS AND WALLS SEE STRUCT. DWGS. FOR CONCRETE & STRUCT INFILLS. FOR SMALL OPENINGS IN FLOOR SLABS, EITHER FILL WITH FIRESTOPPING MATERIALS (SEE SPEC.) OR CONCRETE.

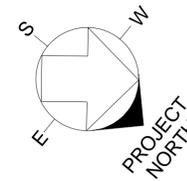
REV.	DATE	AMENDMENT #1	DESCRIPTION
1	04/22/15		



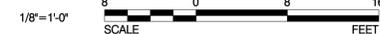
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	FERMI LAB	DATE
DESIGNED	M.BLEWITT	03/30/2015
DRAWN	M.BLEWITT	03/30/2015
CHECKED	G.GRUNLOH	03/30/2015
APPROVED		
SUBMITTED		



SCALE:



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SBN FAR DETECTOR BUILDING

MAIN LEVEL PLAN

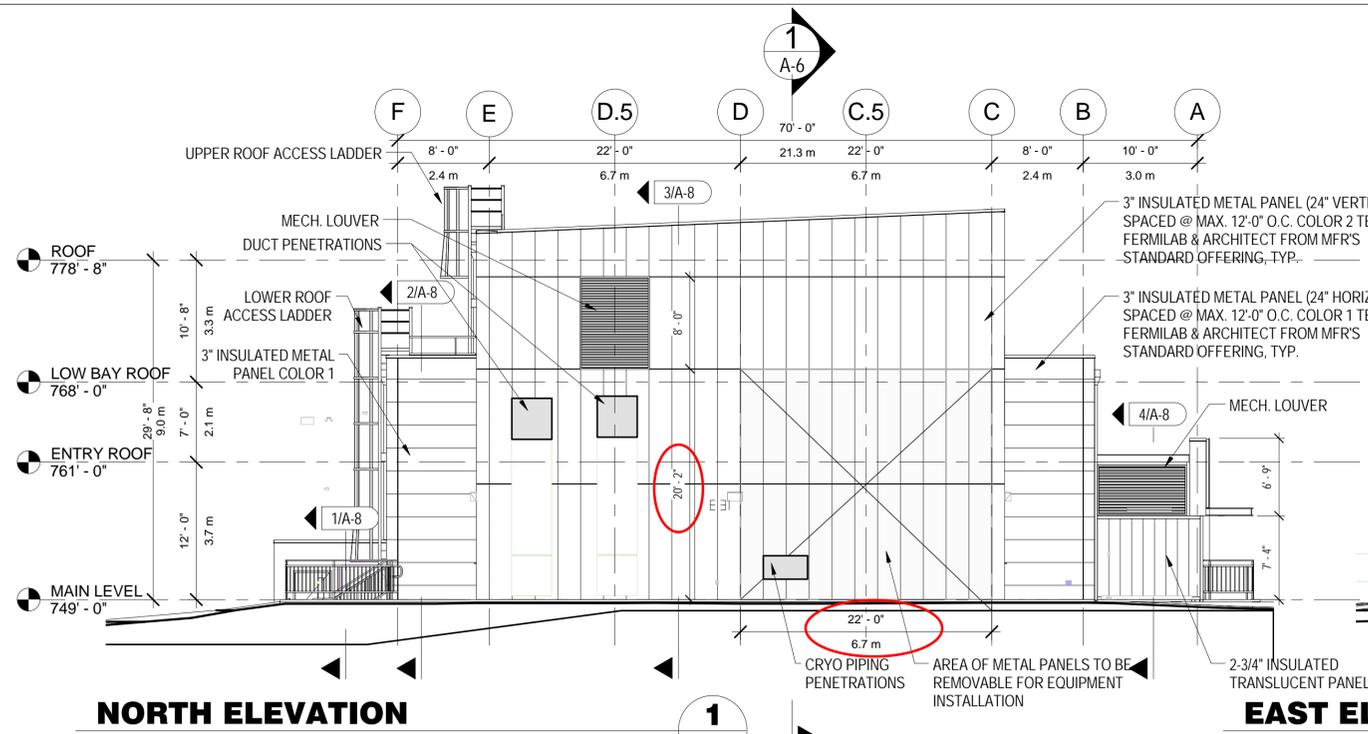
DRAWING NO. **6-7-93**

A-3 REV. 1

30 MAR. 2015

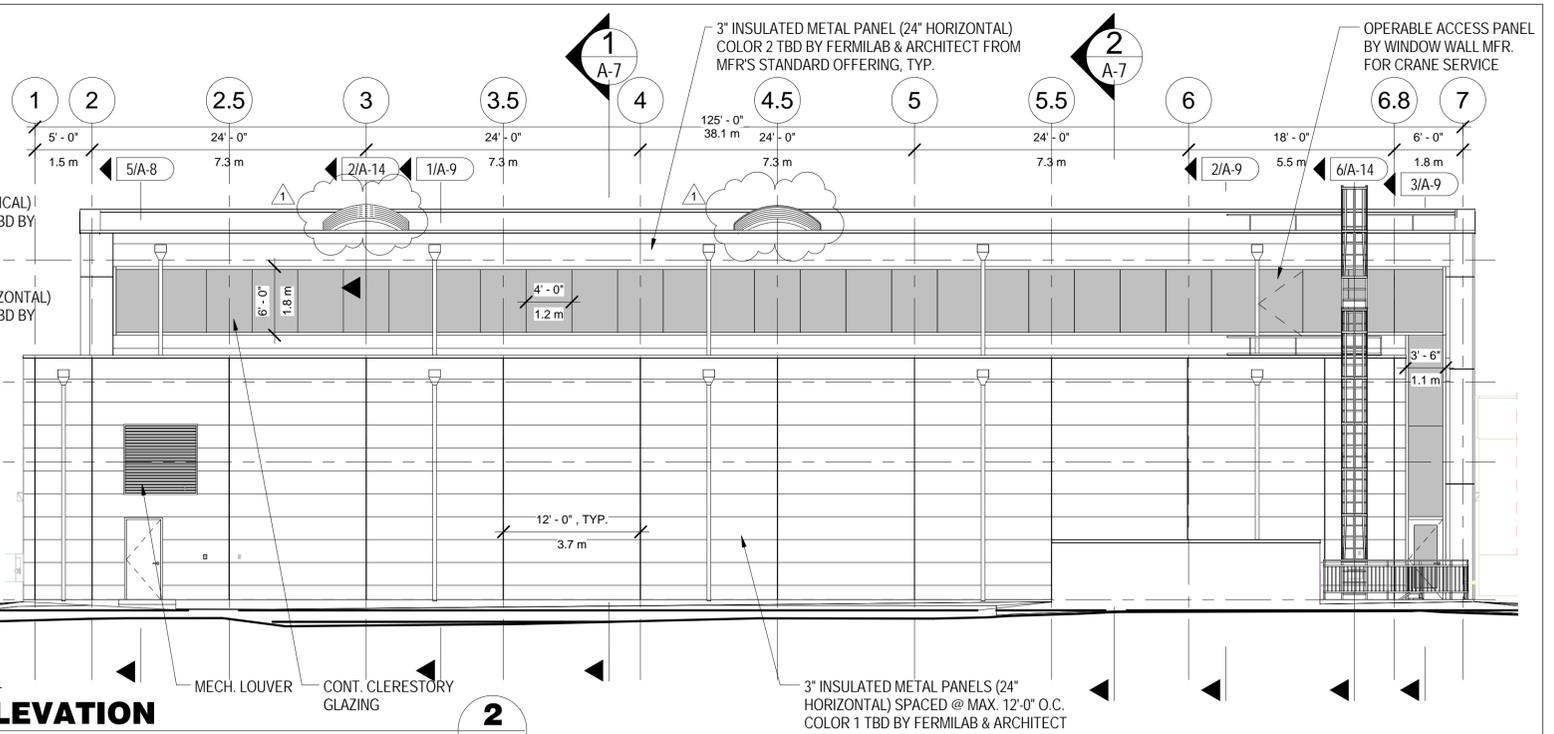
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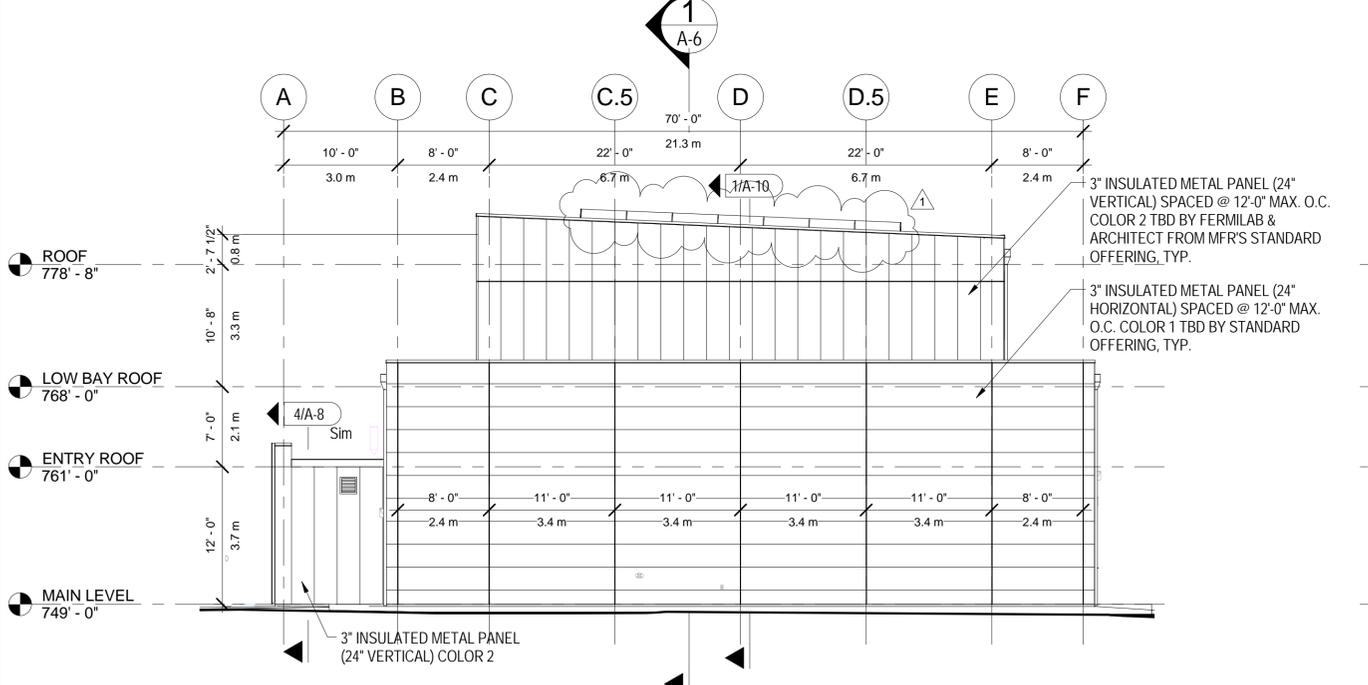
NORTH ELEVATION

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



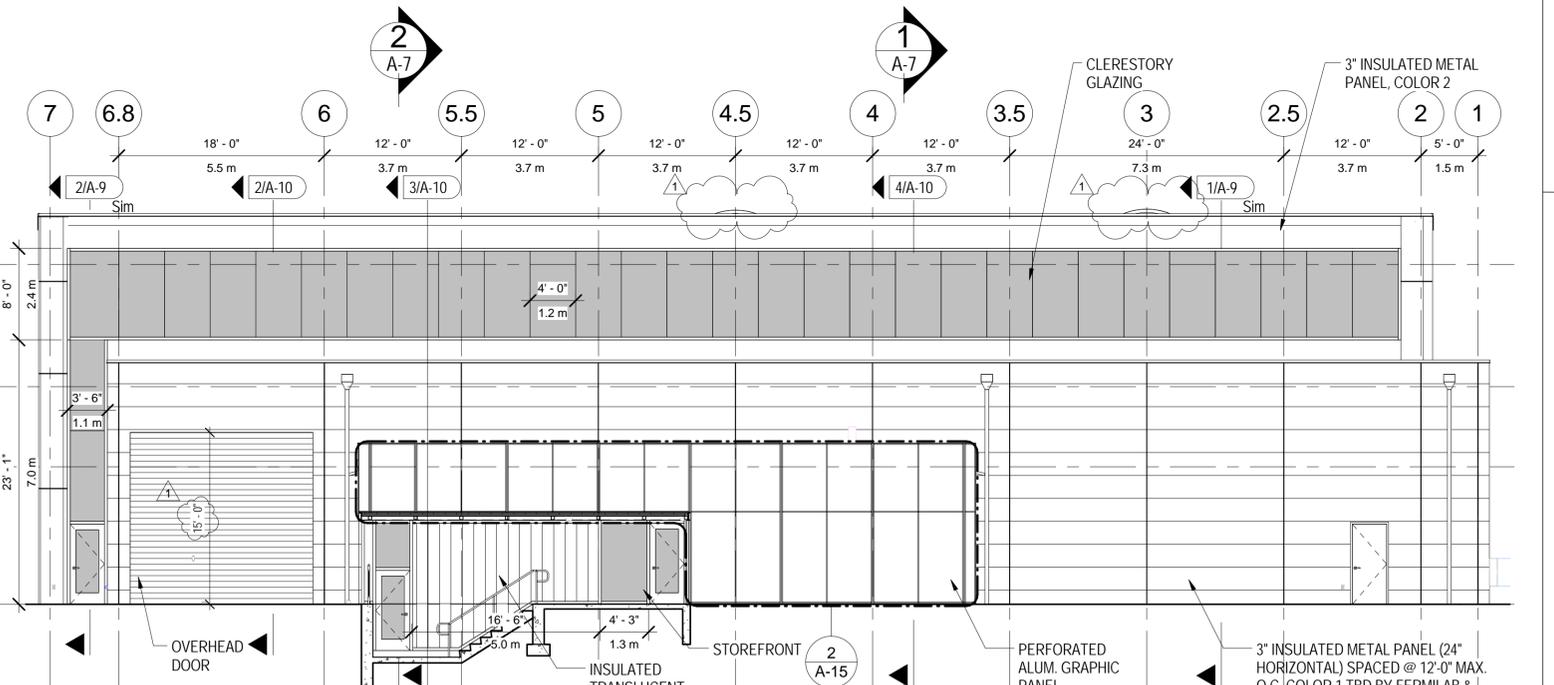
EAST ELEVATION

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



SOUTH ELEVATION

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



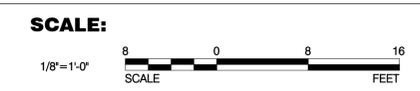
WEST ELEVATION

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

REV.	DATE	AMENDMENT #1	DESCRIPTION
1	04/22/15		
REVISIONS			

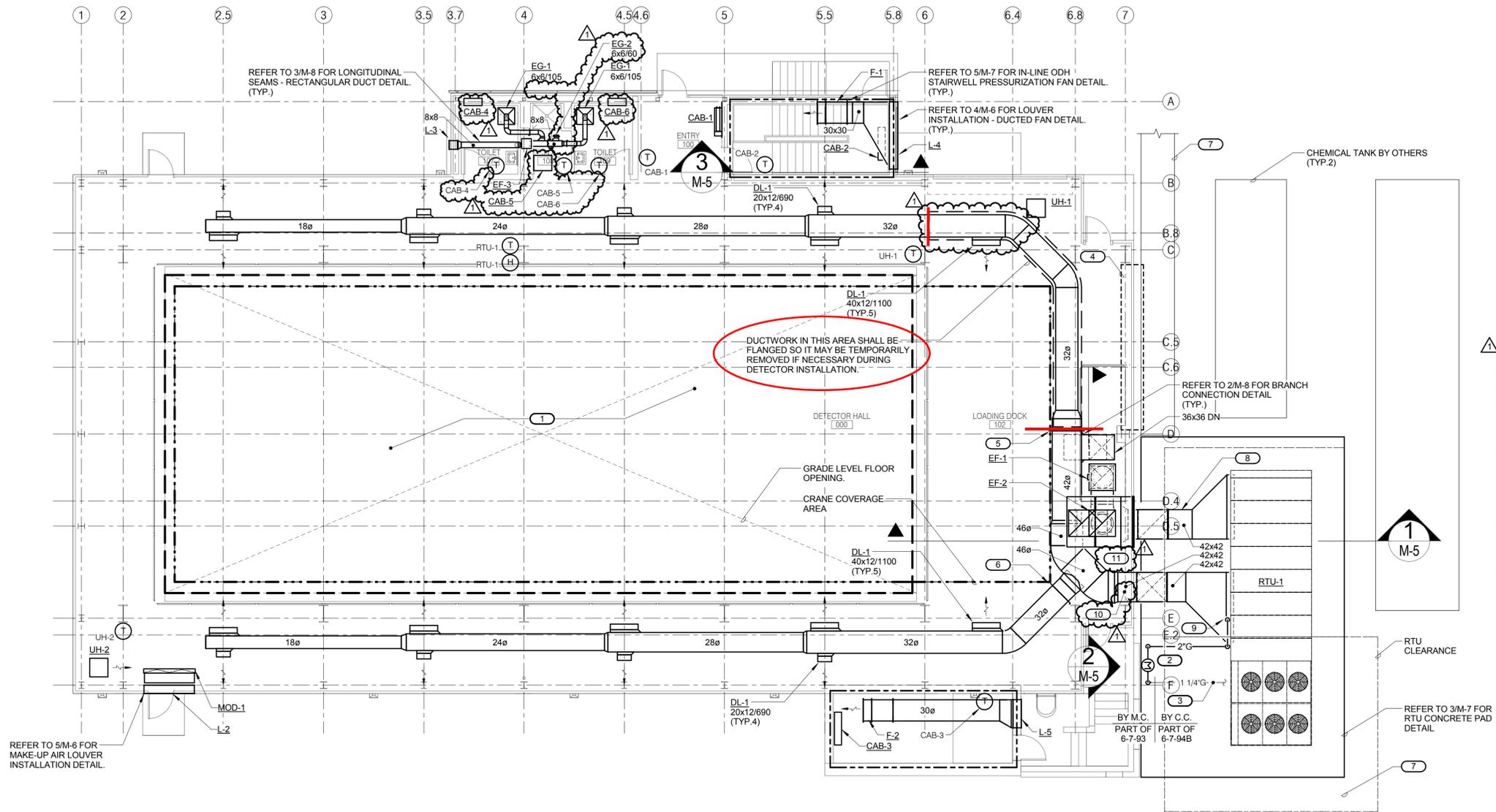
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	FERMI LAB	DATE
DESIGNED	M.BLEWITT	03/30/2015
DRAWN	M.BLEWITT	03/30/2015
CHECKED	G.GRUNLOH	03/30/2015
APPROVED		
SUBMITTED		



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SBN FAR DETECTOR BUILDING
BUILDING ELEVATIONS
 DRAWING NO. **6-7-93** **A-5** REV. 1
 30 MAR. 2015



- KEYNOTES (#)**
- ALL MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ACCESSORIES SHALL NOT CROSS OPENING IN GRADE LEVEL FLOOR ABOVE DETECTOR UNLESS OTHERWISE NOTED ON DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION REGARDING THE FLOOR OPENING DIMENSIONS, DETECTOR CLEARANCES, AND OVERHEAD CRANE CLEARANCES.
 - REFER TO 2/M-6 GAS METER AND REGULATOR PIPING DETAIL.
 - COORDINATE WITH C.C. TO PROVIDE A MINIMUM OF 850 CFH OF NATURAL GAS AT 90 PSI TO GAS METER PAD LOCATION. REFER TO 6-7-94B FOR CONTINUATION.
 - EXTERIOR WALL IS REMOVABLE TO PROVIDE A PATH FOR LARGE EQUIPMENT TO ENTER THE BUILDING. DUCTWORK, EQUIPMENT, AND ACCESSORIES SHALL NOT BE ATTACHED TO REMOVABLE WALL OR CONFLICT OPENING WITH OPENING CLEARANCE.
 - BUBBLE TIGHT ISOLATION DAMPER TO ALLOW BRANCH ISOLATION IF DUCTWORK SECTION IS TEMPORARILY REMOVED. DAMPER SHALL BE INSTALLED 100% OPEN DURING INITIAL SYSTEM TESTING AND BALANCING.
 - PROVIDE AND INSTALL MANUAL BALANCING DAMPER FOR FUTURE SYSTEM BALANCING ADJUSTMENTS. DAMPER SHALL BE INSTALLED 100% OPEN DURING INITIAL SYSTEM TESTING AND BALANCING.
 - CONCRETE SIDEWALK BY C.C. AS PART OF 6-7-94B. COORDINATE EXACT SIDEWALK LENGTH AND LOCATION WITH RTU PAD SIZE AND LOCATION.
 - REFER TO 2/M-7 FOR EXTERIOR DUCT SUPPORT DETAIL.
 - REFER TO 6/M-6 FOR ROOF TOP UNIT NATURAL GAS CONNECTION DETAIL.
 - THE FIRST FOUR FEET OF SUPPLY DUCTWORK DOWNSTREAM OF EXTERIOR WALL PENETRATION SHALL BE FLANGED AND PROVIDED AND INSTALLED BY SUBCONTRACTOR WITH LINED INSULATION PER SPECIFICATIONS. THIS DUCTWORK SHALL BE REMOVED BY FERMILAB IN THE FUTURE FOR INSTALLATION OF H-1. H-1 SHALL BE PROVIDED AND INSTALLED BY FERMILAB IN FUTURE IF DESIRED (H-1 IS NOT IN CONTRACT AND IS SHOWN FOR REFERENCE ONLY). IF H-1 IS INSTALLED, NEW DUCTWORK WITHIN 2'-0" OF ABSORPTION DISTANCE OF H-1 DISPERSION MANIFOLD SHALL BE WRAP INSULATED. DUCTWORK BEYOND 2'-0" OF ABSORPTION DISTANCE SHALL REMAIN LINED.
 - FUTURE LOCATION OF H-1 EQUIPMENT (NOT IN CONTRACT FOR REFERENCE ONLY). H-1 SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. COORDINATE SUPPLY WATER CONNECTION WITH P.C. ROUTE CONDENSATE DRAIN PIPING TO STANDPIPE BY P.C.

GRADE LEVEL MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

REV.	DATE	AMENDMENT #1	REVISIONS
1	04/22/15		

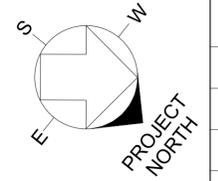
KJW ENGINEERING CONSULTANTS
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Illinois Design Firm Registration #154-009973

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REFERENCE SCALE IN INCHES
0 1 2 3

	FERMI LAB	DATE
DESIGNED	P. MUELLER	3/30/2015
DRAWN	D. WILKINS	3/30/2015
CHECKED	B. HAWN	3/30/2015
APPROVED		
SUBMITTED		



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SBN FAR DETECTOR BUILDING
GRADE LEVEL MECHANICAL PLAN

DRAWING NO. **6-7-93** **M-4** REV. **0**

30 MAR. 2015