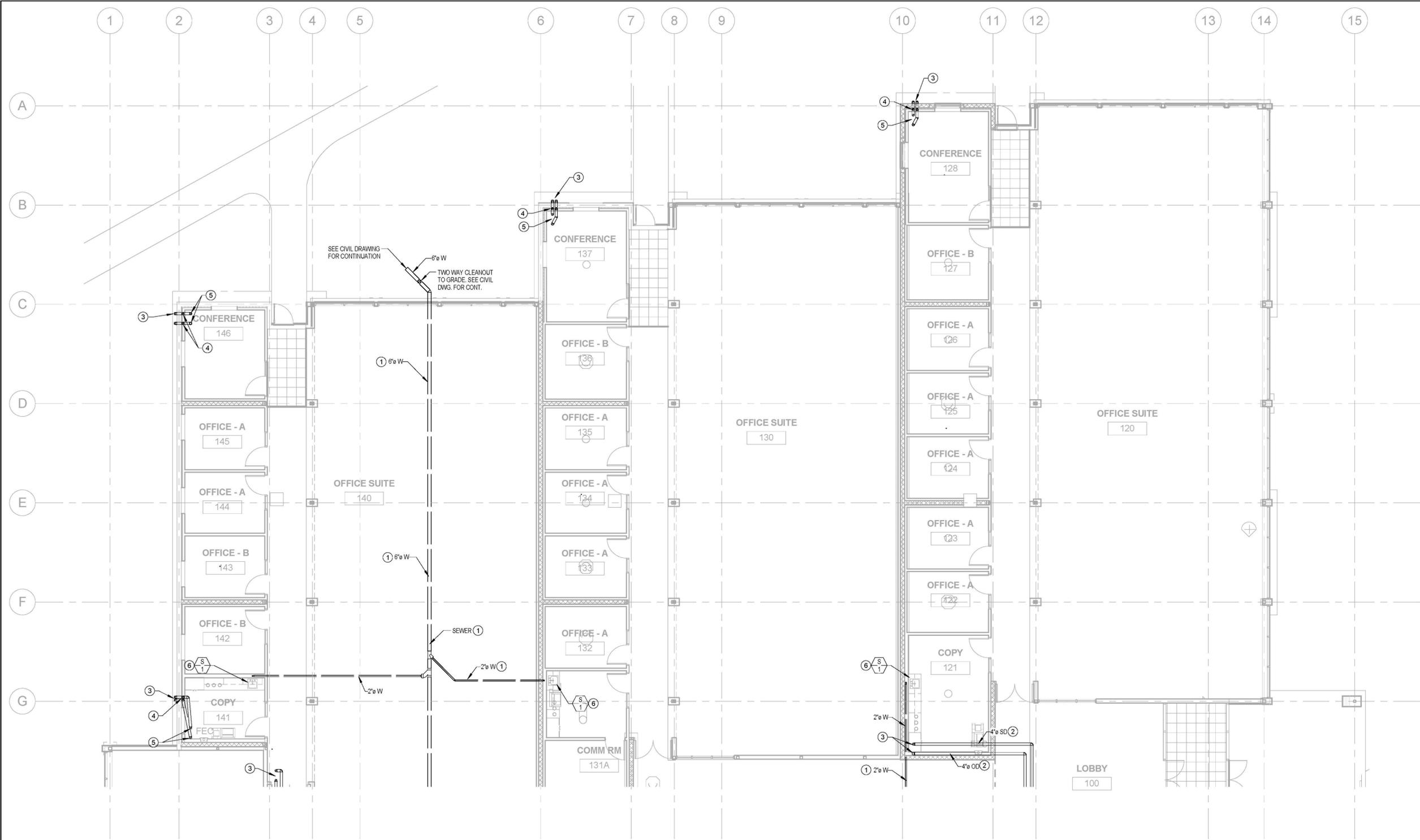


KEY NOTES:

- ① PIPING BELOW FLOOR.
- ② PIPING ABOVE CEILING
- ③ 4" SD BELOW GRADE. SEE CIVIL DWG FOR CONT. 4" OD TO TERMINATE ABOVE GRADE.
- ④ 4" SD & OD DOWN
- ⑤ 4" SD & OD UP
- ⑥ 2"W DOWN, WITH 1-1/2"V UP TO 1-1/2" VTR.



WASTE, VENT & STORM DRAIN PIPING PLAN - NORTH SEGMENT

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

DCGA
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Consulting Mechanical and Electrical Engineers
4051 E. La Palma Ave., Ste. A
Anaheim, CA 92807
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DATE	SYM	REVISION	BY	A/PD

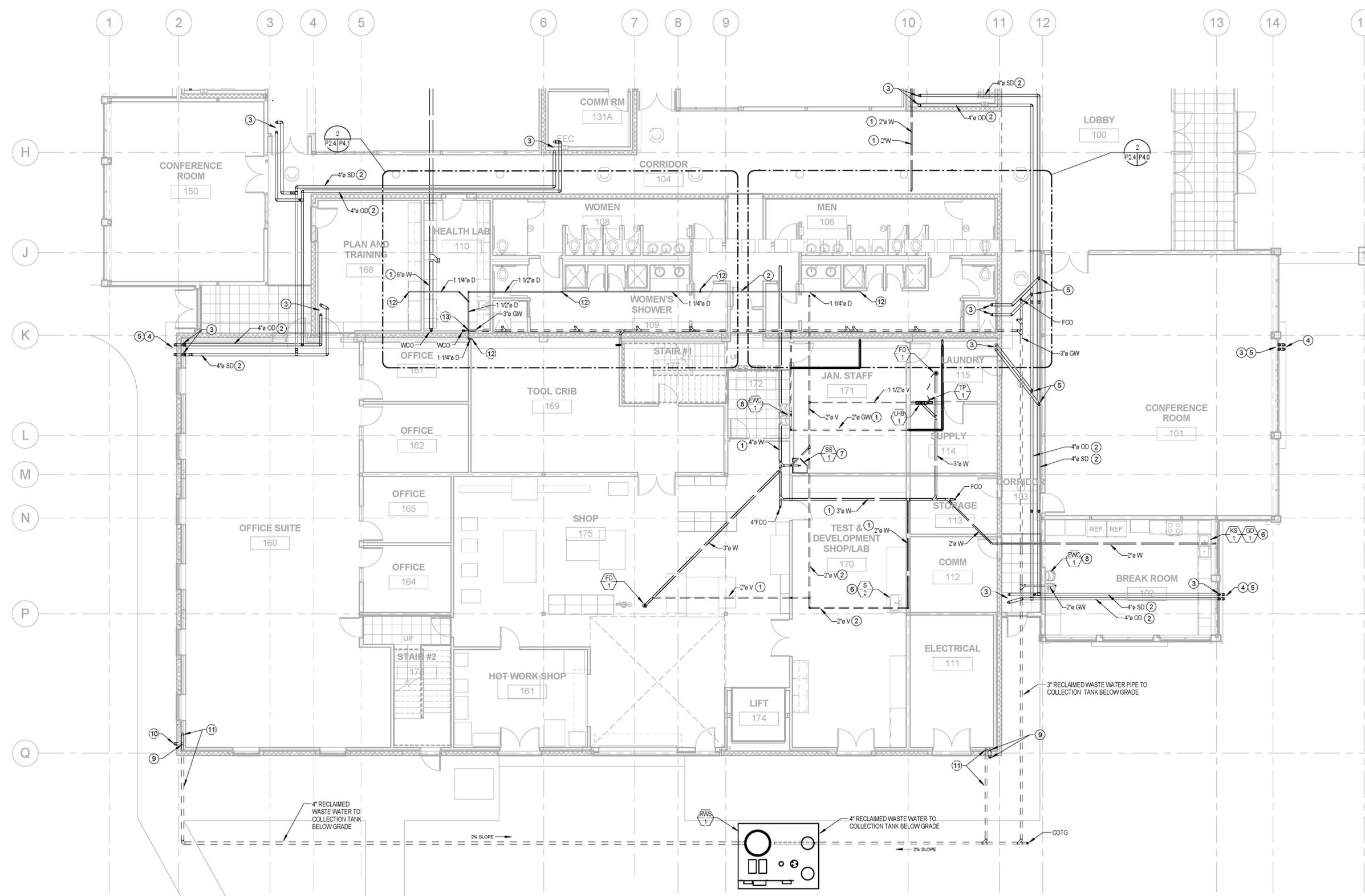
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DRYDEN FLIGHT RESEARCH CENTER
EDWARDS, CA

DRAWING TITLE
WASTE, VENT & STORM DRAIN PIPING PLAN - NORTH SEGMENT

PROJECT TITLE
9-18-11
FACILITIES SUPPORT CENTER
100% FINAL DESIGN SUBMITTAL

APPROVALS		DATE
Chief, Facilities Engineering	<i>[Signature]</i>	8-18-11
Project Requestor/Custom	<i>[Signature]</i>	8-18-11
Facilities Project Manager	<i>[Signature]</i>	8-18-11
Chief, Office of Protective Services	<i>[Signature]</i>	8-18-11
Chief - Safety, Health and Environmental Office	<i>[Signature]</i>	8-18-11
DFRC Chief Information Officer	<i>[Signature]</i>	8-18-11

DATE STRTD	11/04/10	DATE PRNTD	05/23/11
DRAWN BY		TRADE	EDM-1703
SCALE	AS NOTED	SH. No.	
FILE NAME	P2.3	SHEET No.	146 of 195



- KEY NOTES:**
- 1 PIPING BELOW FLOOR.
 - 2 PIPING ABOVE CEILING.
 - 3 4" SD & OD UP.
 - 4 4" SD BELOW GRADE. SEE CIVIL DWG. FOR CONT. 4" OD TERMINATE ABOVE GRADE.
 - 5 4" SD & OD DOWN.
 - 6 2" W DOWN WITH 1-1/2" V UP.
 - 7 3" W DOWN WITH 2" V UP.
 - 8 2" GW DOWN WITH 1-1/2" V UP.
 - 9 4" OD UP AND DOWN.
 - 10 4" OD TERMINATE TO GRADE.
 - 11 4" SD UP AND DOWN TO BELOW GRADE. CONNECT 4" SD TO 4" GW.
 - 12 1-1/4" DRAIN UP TO EVAP. COOLER.
 - 13 1-1/2" DRAIN PIPING UP AND DOWN. CONNECT 1-1/2" DRAIN PIPING RECLAIMED WATER WATER BELOW FLOOR.

WASTE, VENT & STORM DRAIN PIPING PLAN - SOUTH SEGMENT

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

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DATE	SYM	REVISION	BY	A/PD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DRYDEN FLIGHT RESEARCH CENTER
EDWARDS, CA

DRAWING TITLE
WASTE, VENT & STORM DRAIN PIPING PLAN - SOUTH SEGMENT

PROJECT TITLE
9-18-11
FACILITIES SUPPORT CENTER
100% FINAL DESIGN SUBMITTAL

APPROVALS		DATE
Chief, Facilities Engineering	<i>[Signature]</i>	8-18-11
Project Requestor/Client	<i>[Signature]</i>	8-18-11
Facilities Project Manager	<i>[Signature]</i>	8-18-11
Chief, Office of Protective Services	<i>[Signature]</i>	8-18-11
Chief - Safety, Health and Environmental Office	<i>[Signature]</i>	8-18-11
DFRC Chief Information Officer	<i>[Signature]</i>	8-18-11

DATE STRTD	11/04/10	DATE PRNTD	05/23/11
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SCALE	AS NOTED	SH. No.	
FILE NAME	P2.4	SHEET No.	147 of 195



- KEY NOTES:**
- ① PIPING ABOVE CEILING.
 - ② 3/4" CD DN AND TERMINATE TO SINK TAIL PIECE.
 - ③ 3/4" CD, COMPLETE WITH TRAP AND VENT.

CONDENSATE DRAIN PIPING PLAN - NORTH SEGMENT

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

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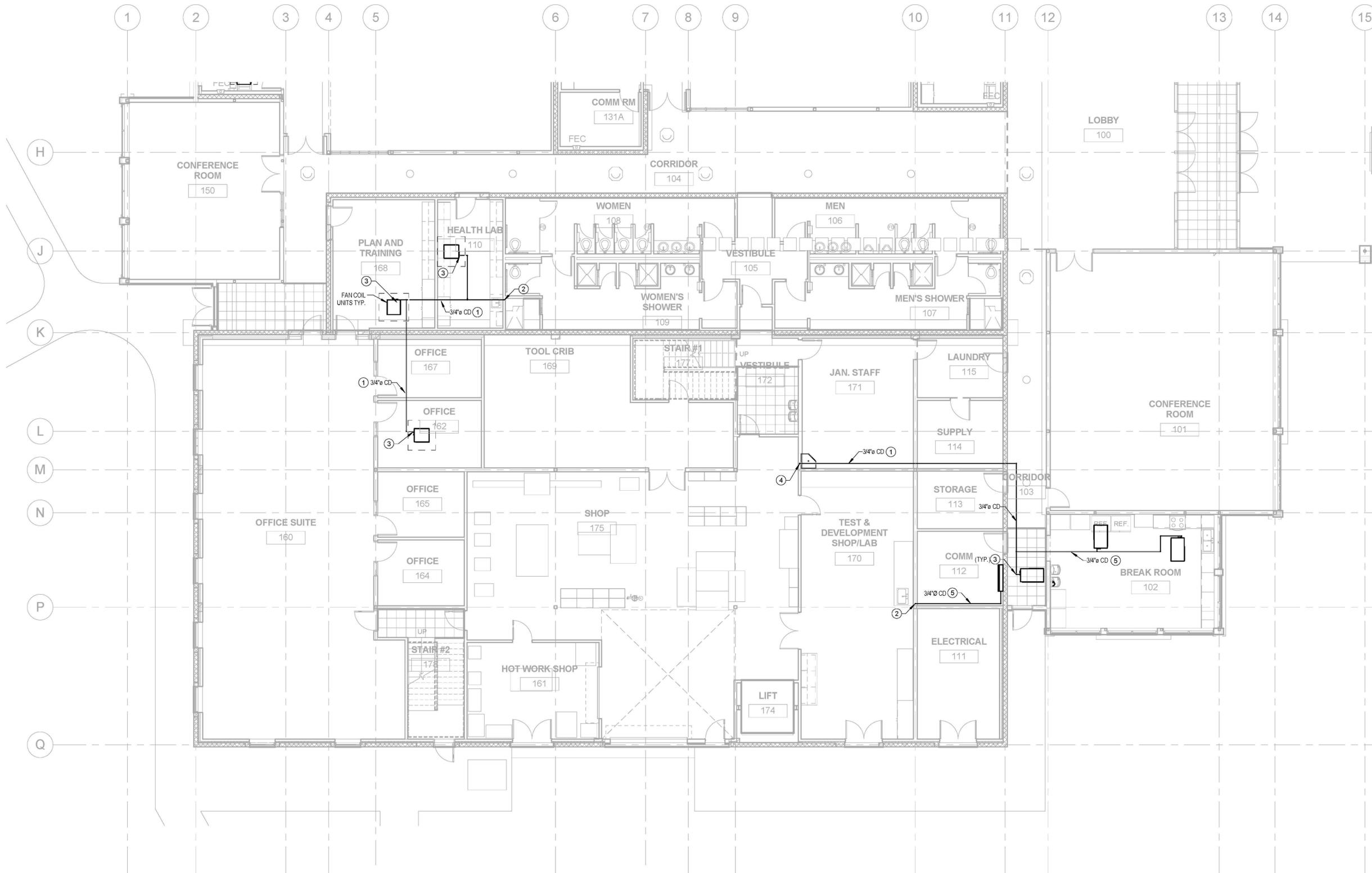
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DRYDEN FLIGHT RESEARCH CENTER
 EDWARDS, CA

DRAWING TITLE
CONDENSATE DRAIN PIPING PLAN - NORTH SEGMENT

PROJECT TITLE
8-18-11
FACILITIES SUPPORT CENTER
100% FINAL DESIGN SUBMITTAL

APPROVALS		DATE
Chief, Facilities Engineering	<i>Dan Crowley</i>	8-18-11
Project Requestor/Client	<i>Dan Crowley</i>	8-18-11
Facilities Project Manager	<i>Gemma Flores</i>	8-18-11
Chief, Office of Protective Services	<i>John Zellmer</i>	8-18-11
Chief - Safety, Health, and Environmental Office	<i>Dan Millen</i>	8-18-11
DFRC Chief Information Officer	<i>Ken Norlin</i>	8-18-11

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DRAWN BY		TRADE	EDM-1703
SCALE	AS NOTED	SH. No.	
FILE NAME	P2.5	SHEET No.	148 of 195



- KEY NOTES:**
- ① PIPING ABOVE CEILING.
 - ② 3/4" CD DOWN AND TERMINATE TO SINK TAIL PIECE.
 - ③ 3/4" CD COMPLETE WITH TRAP AND VENT.
 - ④ 3/4" CD DOWN, SPILL 3/4" CD OVER SERVICE SINK.
 - ⑤ 3/4" CD RUN AS HIGH AS POSSIBLE AGAINST WALL.

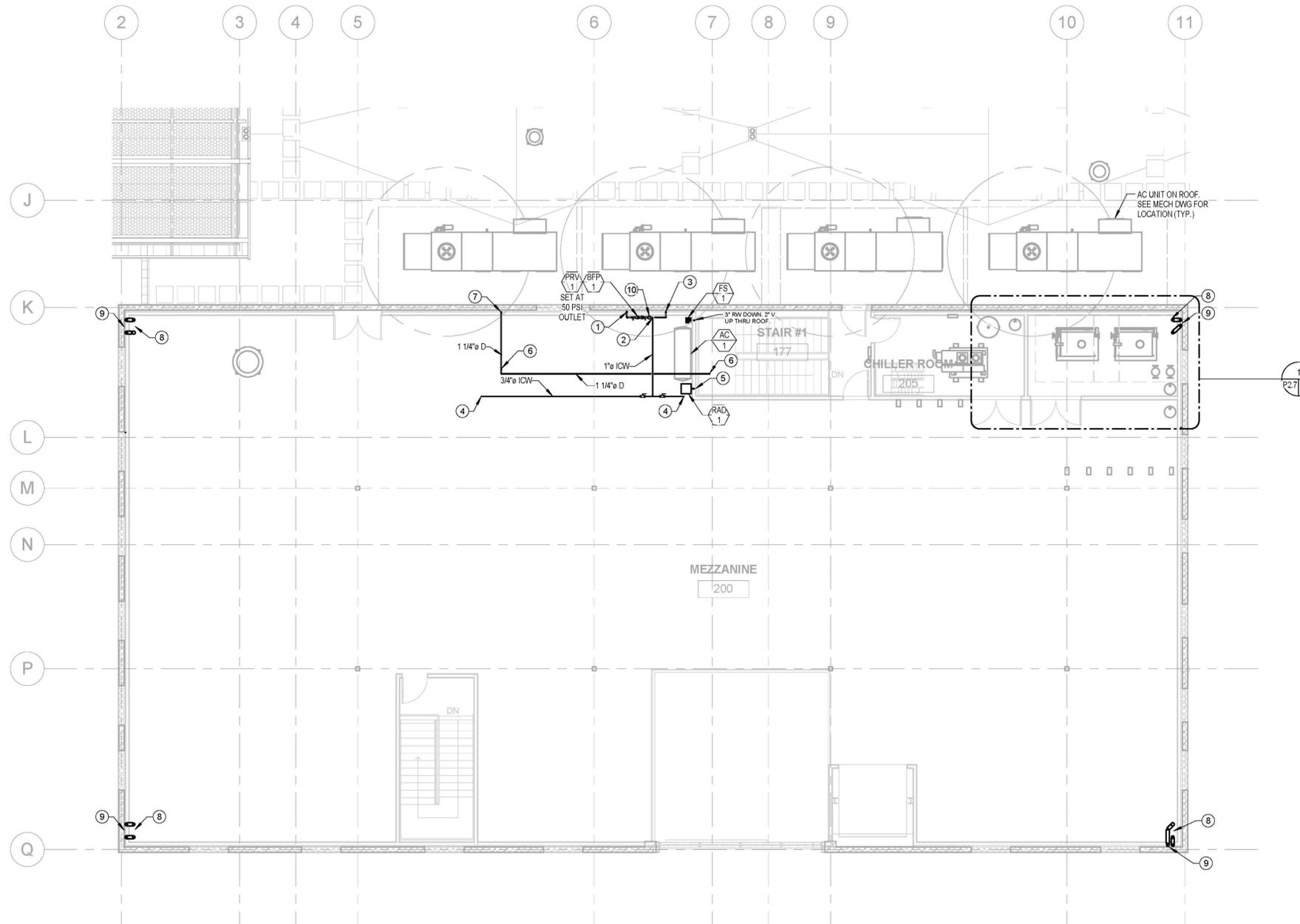
CONDENSATE DRAIN PIPING PLAN - SOUTH SEGMENT

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


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DATE	SYM	REVISION	BY	A/PD

 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		APPROVALS Chief, Facilities Engineering Ass't Office DAN CROWLEY <i>Dan Crowley</i> 8-18-11 Project Recorder/Customs DAN CROWLEY <i>Dan Crowley</i> 8-18-11 Facilities Project Manager GEMMA FLORES <i>Gemma Flores</i> 8-18-11 Chief, Office of Protective Services JOHN ZELLMER <i>John Zellmer</i> 8-18-11 Chief - Safety, Health, and Environmental Office DAN MULLEN <i>Dan Mullen</i> 8-18-11 DFRIC Chief Information Officer KEN NORLIN <i>Ken Norlin</i> 8-18-11		DATE 8-18-11 8-18-11 8-18-11 8-18-11 8-18-11 8-18-11
DRAWING TITLE CONDENSATE DRAIN PIPING PLAN - SOUTH SEGMENT		PROJECT TITLE 9-18-11 FACILITIES SUPPORT CENTER 100% FINAL DESIGN SUBMITTAL		
DATE STRTD 11/04/10	DATE PRNTD 05/23/11	EDM-1703		
DRAWN BY SCALE AS NOTED	TRADE P2.6	SHEET No. 149 of 195		



KEY NOTES:

- ① 1-1/2" CW DOWN.
- ② 1" CW UP.
- ③ 1-1/4" CW DOWN.
- ④ 3/4" CW UP TO EVAP. COOLER. CONTROL VALVE SEE MECHANICAL DWG. FOR DETAIL AND LOCATION.
- ⑤ 3/4" CA DOWN.
- ⑥ 1-1/4" DRAIN UP.
- ⑦ 1-1/4" DRAIN DOWN.
- ⑧ 4" SD AND OD UP.
- ⑨ 4" SD AND OD DOWN.
- ⑩ REMOTE WATER METERING SYSTEM. SEE MECHANICAL DWG. AND BMS FOR TYPE AND MODEL.

PLUMBING MEZZANINE

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

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DATE	SYM	REVISION	BY	A/PD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		APPROVALS Chief, Facilities Engineering: <i>Dan Crowley</i> Project Requestor/Custom: <i>Dan Crowley</i> Facilities Project Manager: <i>Genma Flores</i> Chief, Office of Protective Services: <i>John Zellmer</i> Chief - Safety, Health and Environmental Office: <i>Dan Millen</i> DFRIC Chief Information Officer: <i>Ken Norlin</i>	DATE 8-18-11 8-18-11 8-18-11 8-18-11 8-18-11 8-18-11
DRAWING TITLE PLUMBING MEZZANINE		DATE STRTD 11/04/10 DATE PRNTD 05/23/11	
PROJECT TITLE FACILITIES SUPPORT CENTER 100% FINAL DESIGN SUBMITTAL		TRADE SH. No. EDM-1703	
FILE NAME P2.7		SHEET No. 150 of 195	