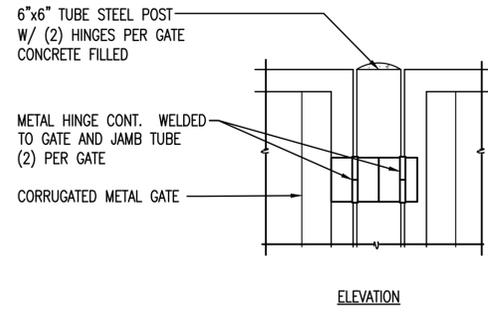
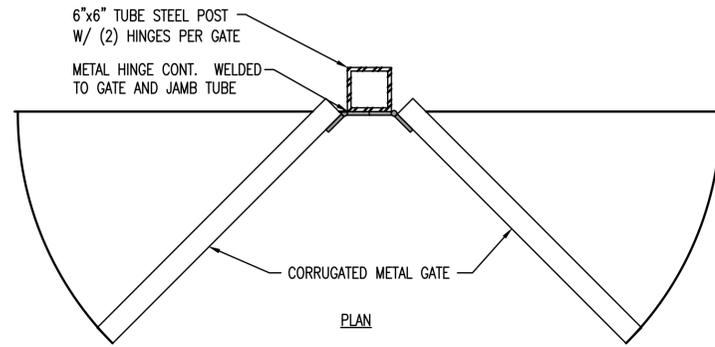


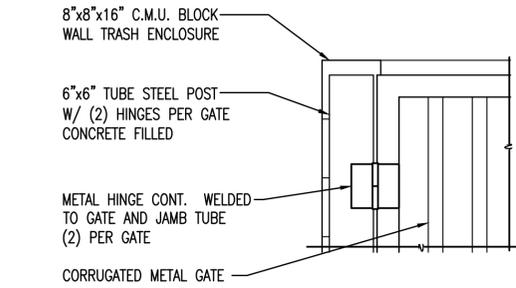
DETAIL 2
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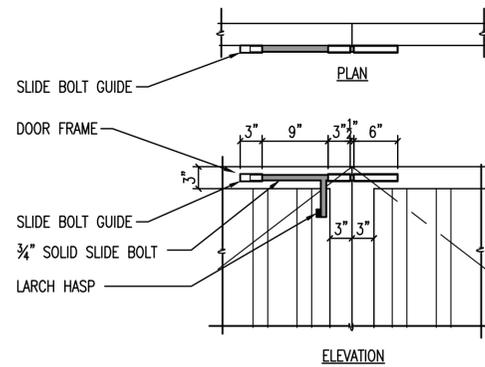
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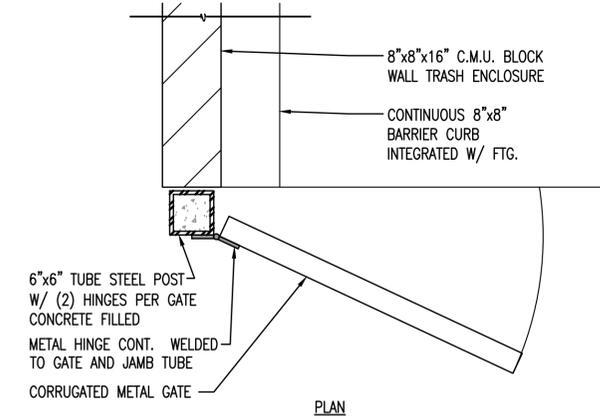
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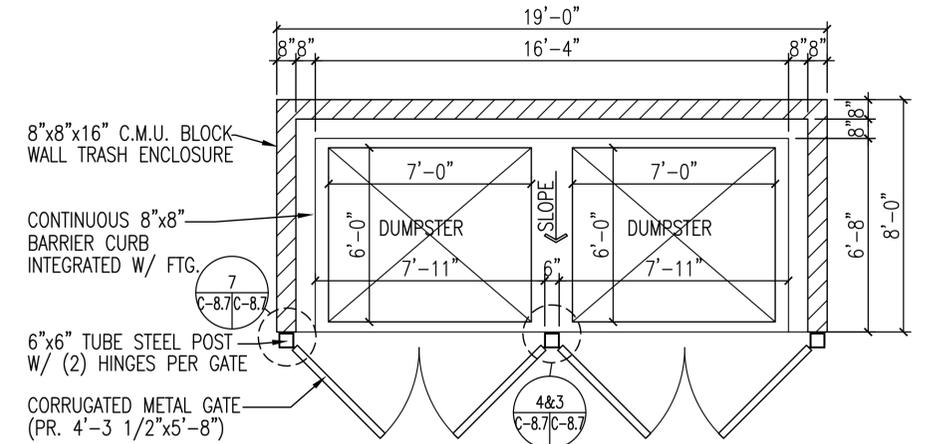
DETAIL 5
NO SCALE C-8.7 C-8.7



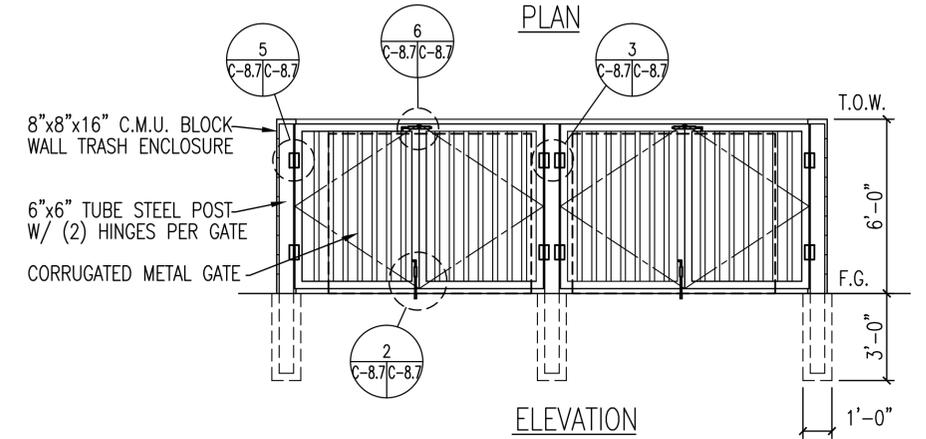
DETAIL 6
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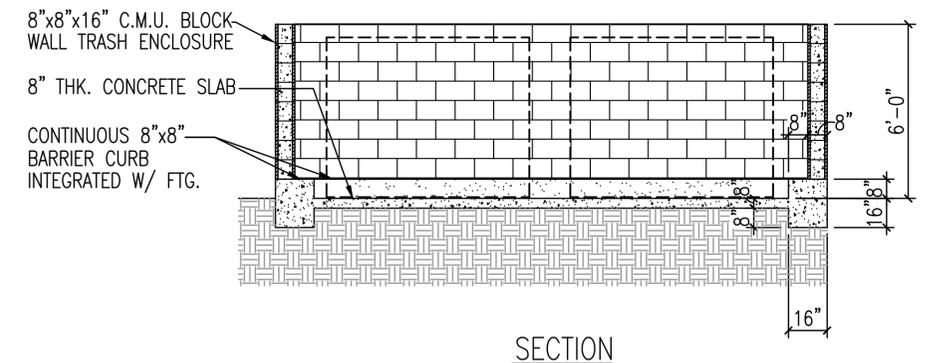
DETAIL 7
NO SCALE C-8.7 C-8.7



PLAN



ELEVATION

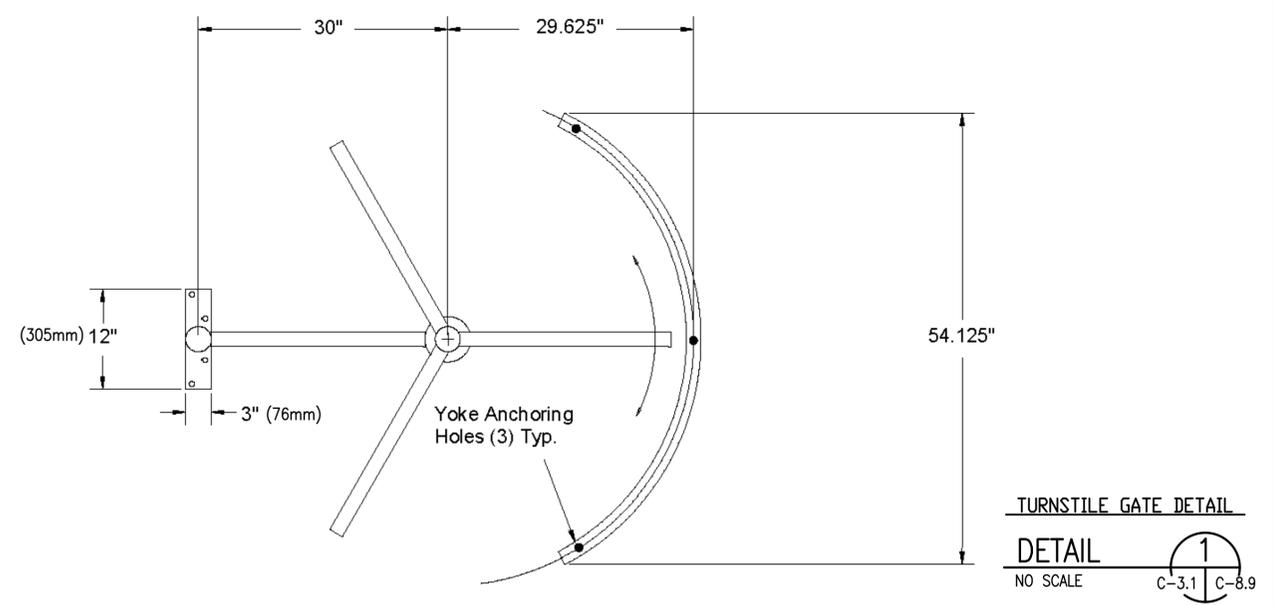
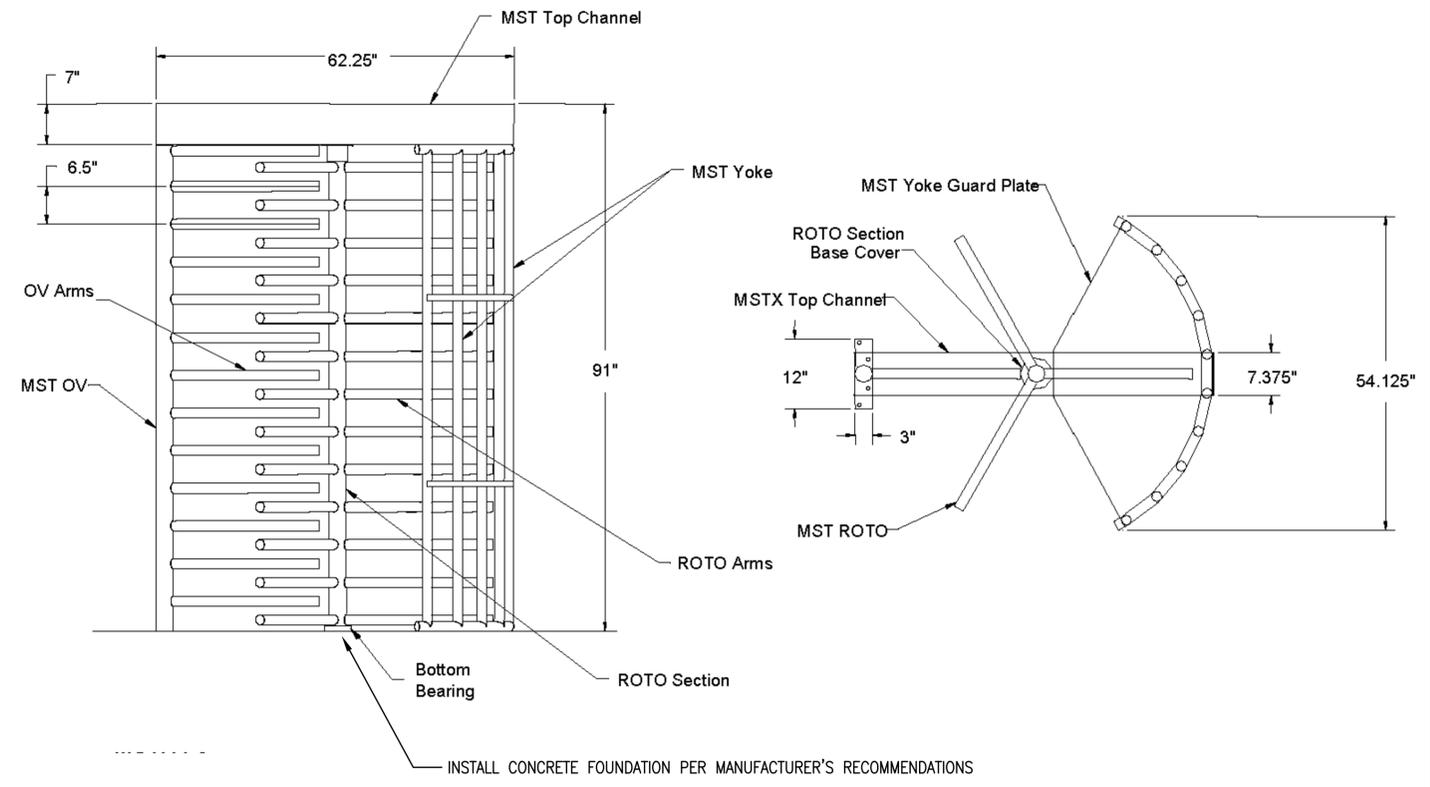
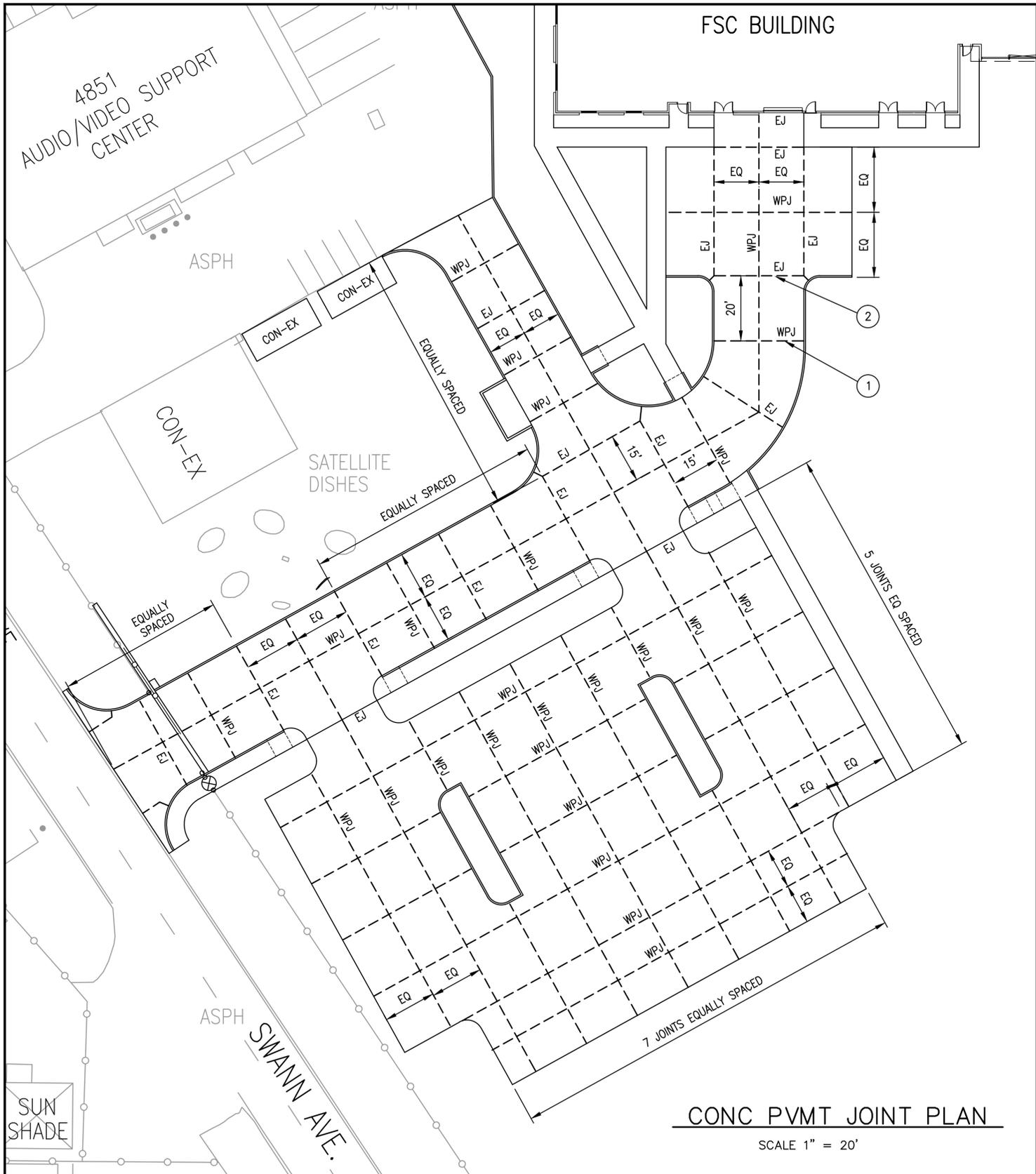


SECTION

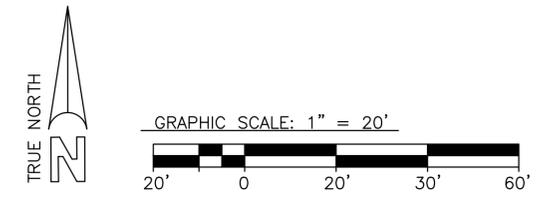
TRASH ENCLOSURE

DETAIL 1
NO SCALE C-3.1 C-8.7

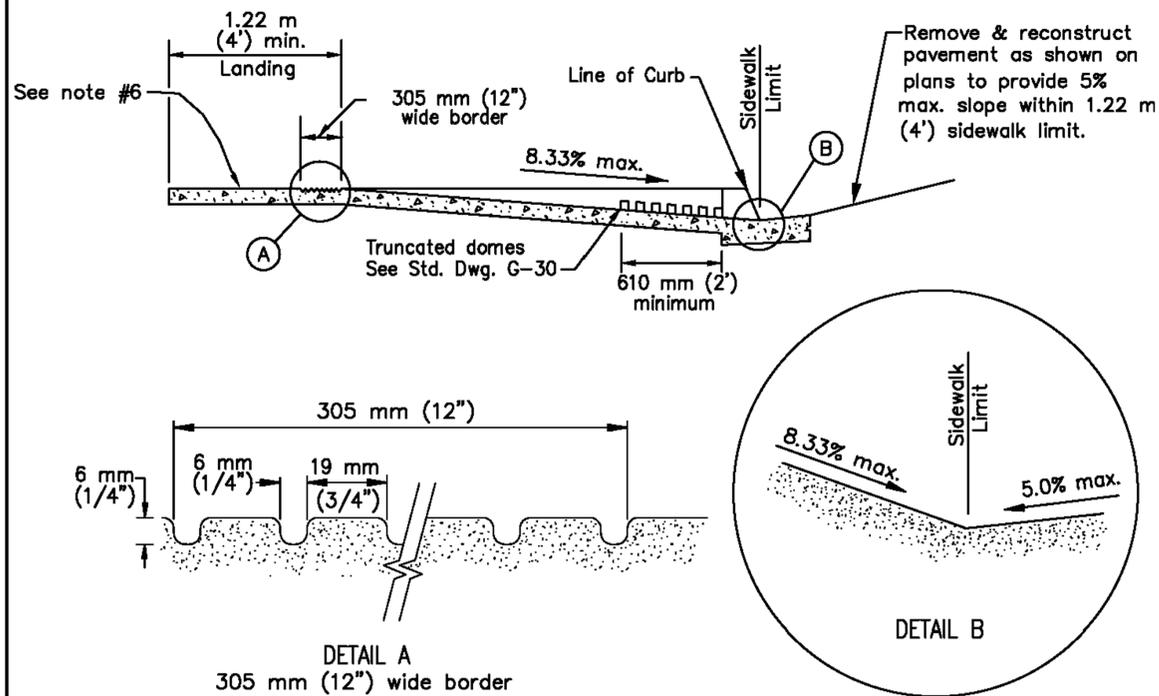
<p>JB YOUNG & ASSOCIATES, LTD 11440 Riverside Drive, Suite M Lakeside, California 92040 (619) 448-9424 (619) 448-4690 FAX</p>	<p>NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA</p>		<p>APPROVALS</p> <p>DAN CROWLEY 4/14/11 DAN CROWLEY 4/14/11 GEMMA FLORES 4/14/11 JOHN ZELLMER 4/14/11 DAN MULLEN 4/14/11 KEN NORLIN 4/14/11</p>	<p>DATE</p> <p>4/14/11 4/14/11 4/14/11 4/14/11 4/14/11 4/14/11</p>
	<p>DRAWING TITLE</p> <p>CIVIL DETAILS</p>		<p>DATE STRTD 11/04/10 DATE PRINTD 03/14/11</p> <p>DRAWN BY JBY</p> <p>SCALE AS NOTED TRADE SH. No.</p> <p>FILE NAME C-8.7 SHEET No. 22 of 193</p>	
<p>PROJECT TITLE</p> <p>FACILITIES SUPPORT CENTER BUILDING 100% FINAL DESIGN SUBMITTAL</p>		<p>EDM-1703</p>		
DATE	SYM	REVISION	BY	A'PD



- NOTES:
- 1) NEW WEAKENED PLANE JOINT (TYP), SEE DETAIL 3 C-8.9 | C-8.1
 - 2) NEW EXPANSION JOINT (TYP), SEE DETAIL 3 C-8.9 | C-8.1

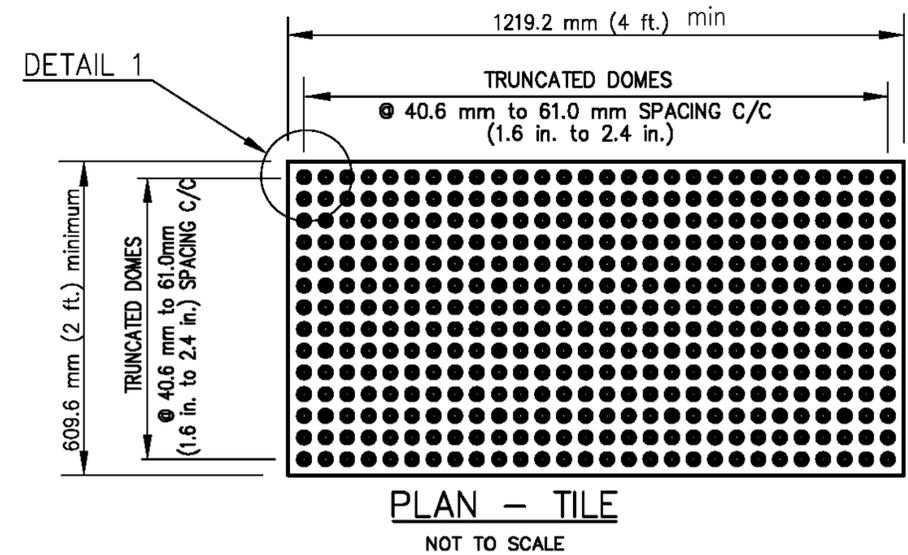
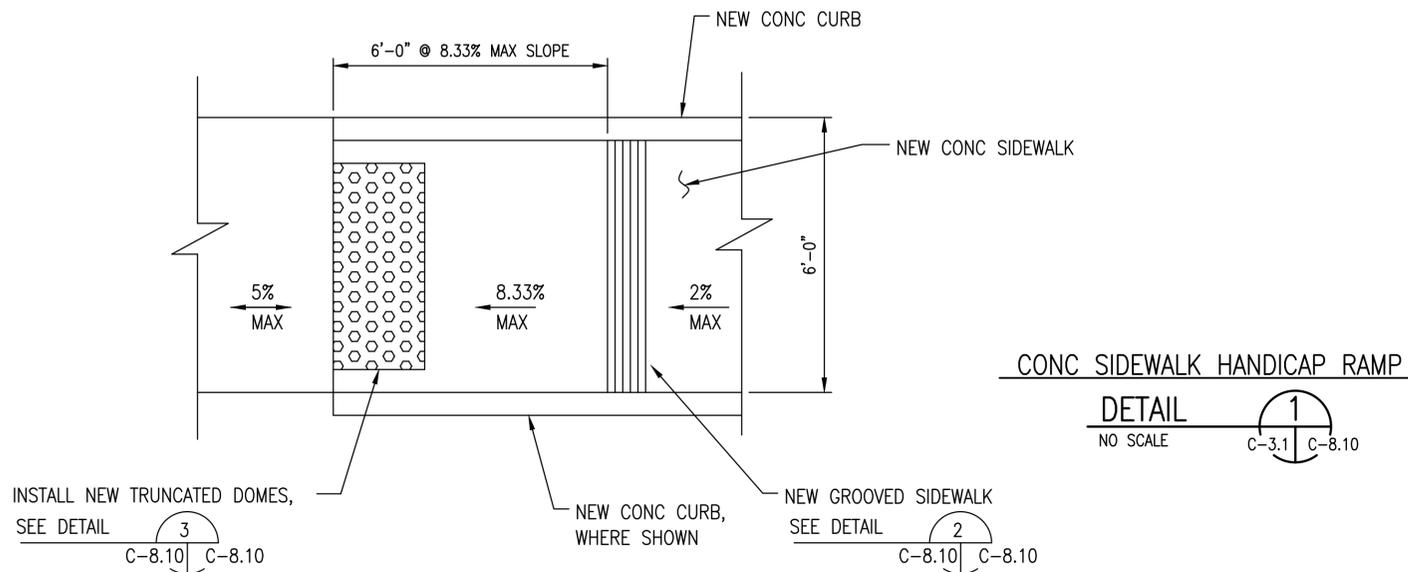
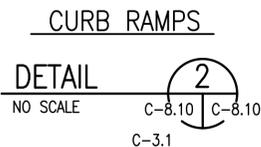


<p>JB YOUNG & ASSOCIATES, LTD 11440 Riverside Drive, Suite M Lakeside, California 92040 (619) 448-9424 (619) 448-4690 FAX</p>	<p>DATE SYM REVISION BY A'PD</p>		<p>NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA</p>	<p>APPROVALS</p> <p>Chief, Facilities Engineering & Asset Mgmt. Office DAN CROWLEY <i>Dan Crowley</i> 4/14/11</p> <p>Project Requestor/Customer DAN CROWLEY <i>Dan Crowley</i> 4/14/11</p> <p>Facilities Project Manager GEMMA FLORES <i>Gemma Flores</i> 4/14/11</p> <p>Chief, Office of Protective Services JOHN ZELLMER <i>John Zellmer</i> 4/14/11</p> <p>Chief - Safety, Health and Environmental Office DAN MULLEN <i>Dan Mullen</i> 4/14/11</p> <p>IFRC Chief Information Officer KEN NORLIN <i>Ken Norlin</i> 4/14/11</p>	<p>DATE</p>
	<p>DRAWING TITLE</p> <p>PAVEMENT JOINT PLAN</p>			<p>DATE STRTD 11/04/10 DATE PRNTD 03/14/11</p>	<p>DATE</p>
<p>PROJECT TITLE</p> <p>FACILITIES SUPPORT CENTER BUILDING 100% FINAL DESIGN SUBMITTAL</p>			<p>DRAWN BY JBY</p> <p>SCALE AS NOTED</p> <p>TRADE SH. No. C-8.9</p>	<p>DATE</p>	
			<p>EDM-1703</p>	<p>SHEET No. 24 of 193</p>	



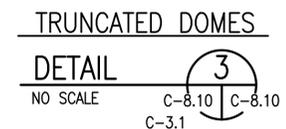
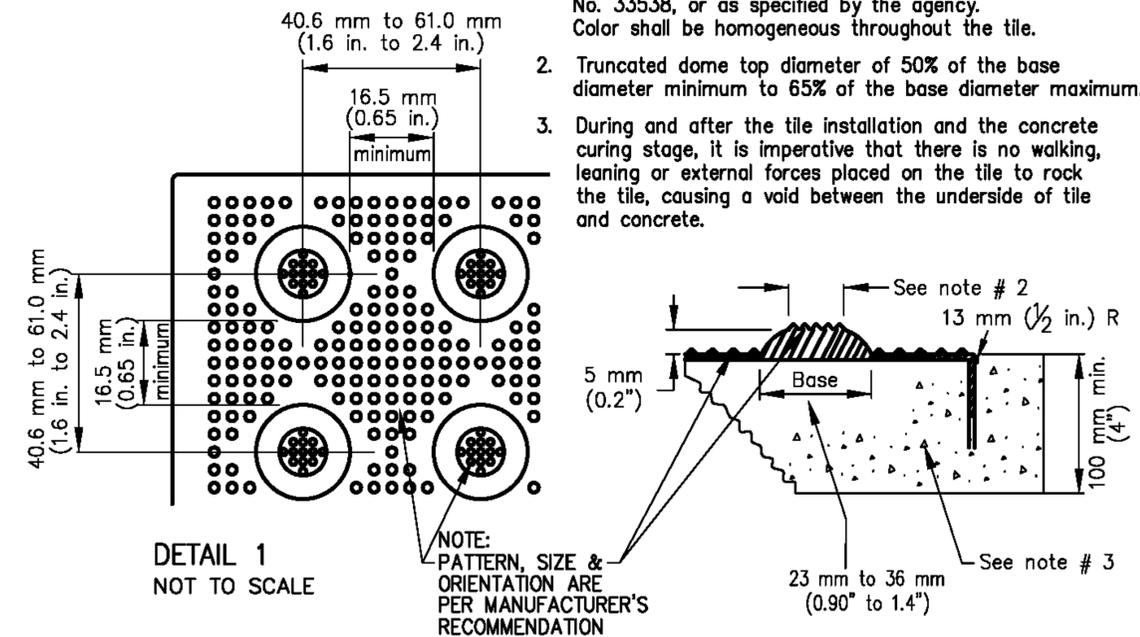
NOTES

1. There shall be no more than 203.2 mm (8 in.) separation between the face of the curb and any given point on the nearest edge of the truncated domes.
2. Areas shown thus: shall have a medium to heavy broom texture finish, perpendicular to the axis of the ramp.
3. Areas shown thus: are the minimum required for a complete ramp installation and shall be concrete class 520-C-2500.
4. Landing cross slope shall be 2.0% max. in both directions.
5. The ramp slopes will be measured relative to the sidewalk slope. Adjoining slope beyond ramp shall not exceed 20:1 (5%).

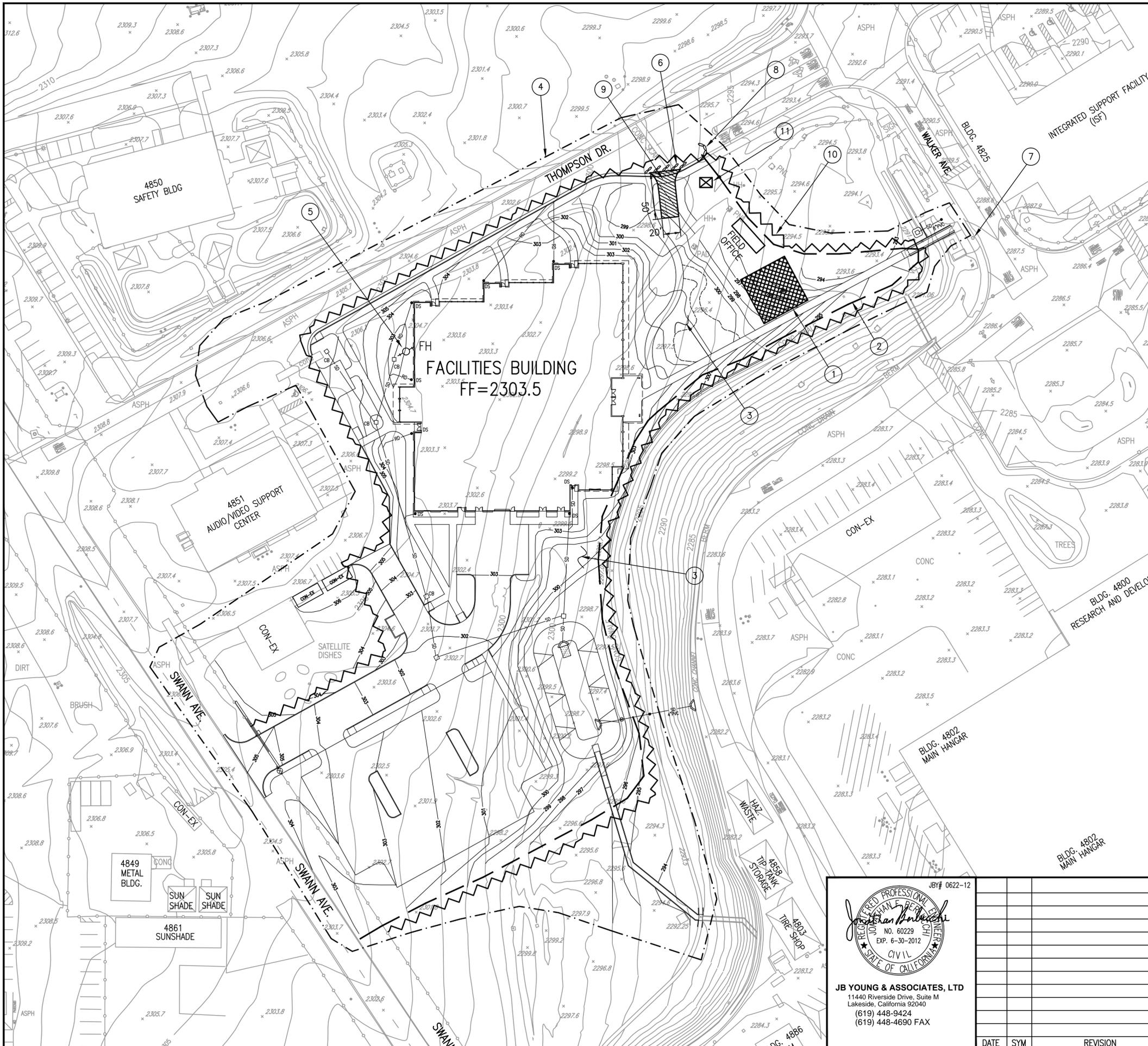


NOTES

1. Detectable warning surface color shall be yellow conforming to federal standards 595B Table IV, color No. 33538, or as specified by the agency. Color shall be homogeneous throughout the tile.
2. Truncated dome top diameter of 50% of the base diameter minimum to 65% of the base diameter maximum.
3. During and after the tile installation and the concrete curing stage, it is imperative that there is no walking, leaning or external forces placed on the tile to rock the tile, causing a void between the underside of tile and concrete.



<p>JB YOUNG & ASSOCIATES, LTD 11440 Riverside Drive, Suite M Lakeside, California 92040 (619) 448-9424 (619) 448-4690 FAX</p>	DATE	SYM	REVISION	BY	A'PD	<p>NATIONAL AERONAUTICS AND SPACE ADMINISTRATION</p> <p>DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA</p> <p>DRAWING TITLE DETAILS</p> <p>PROJECT TITLE FACILITIES SUPPORT CENTER BUILDING 100% FINAL DESIGN SUBMITTAL</p>	<p>APPROVALS</p> <p>Chief, Facilities Engineering & Asset Mgmt. Office DAN CROWLEY <i>[Signature]</i> 4/14/11</p> <p>Project Requestor/Customer DAN CROWLEY <i>[Signature]</i> 4/14/11</p> <p>Facilities Project Manager GEMMA FLORES <i>[Signature]</i> 4/14/11</p> <p>Chief, Office of Protective Services JOHN ZELLMER <i>[Signature]</i> 4/14/11</p> <p>Chief - Safety, Health and Environmental Office DAN MULLEN <i>[Signature]</i> 4/14/11</p> <p>DFRC Chief Information Officer KEN NORLIN <i>[Signature]</i> 4/14/11</p>		DATE
	DATE	SYM	REVISION	BY	A'PD		DATE	DATE	
						<p>DATE STRTD 11/04/10</p> <p>DATE PRNTD 03/14/11</p> <p>DRAWN BY JBY</p> <p>SCALE AS NOTED</p> <p>FILE NAME C-8.10</p>	<p>DATE 4/14/11</p> <p>DATE 4/14/11</p> <p>DATE 4/14/11</p> <p>DATE 4/14/11</p> <p>DATE 4/14/11</p> <p>DATE 4/14/11</p>	<p>EDM-1703</p> <p>SHEET No. 25 of 193</p>	

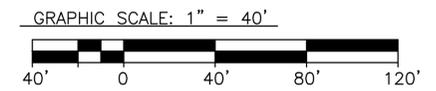


KEYNOTES

- 1) MATERIAL, VEHICLE & EQUIPMENT STORAGE AREA. CONTRACTOR TO CONTAIN ALL MATERIALS WITHIN CONSTRUCTION AREA OR STOCK PILE W/ GRAVEL BAGS ALL THE WAY AROUND AND COVER IT W/ PLASTIC.
- 2) INSTALL 8"Ø FIBER ROLL ALONG TEMPORARY FENCING.
- 3) INSTALL GRAVEL GROUND COVER AND LANDSCAPING PER LANDSCAPING PLANS.
- 4) LIMITS OF WORK.
- 5) EXISTING FIRE HYDRANT TO BE USED FOR CONSTRUCTION WATER.
- 6) INSTALL GRAVEL BAGS AT A 30° ANGLE TO THE CURB LINE.
- 7) INSTALL TEMPORARY FILTER FABRIC OVER CB GRATE (TYP OF ALL CB'S). DURING CONSTRUCTION PERIOD.
- 8) INSTALL GRAVEL BAG CHECK DAM.
- 9) INSTALL 20' WIDE X 50' LONG GRAVEL CONSTRUCTION ENTRANCE PER CALTRANS.
- 10) INSTALL 6' TALL TEMPORARY CONSTRUCTION FENCING.
- 11) 8'x10' CONCRETE WASHOUT AREA W/SIGN.

LEGEND

- TEMPORARY 6' TALL CHAIN LINK FENCE
- GRAVEL BAG BERM SC-6
- VEHICLE EQUIPMENT & MATERIAL STORAGE AREA WM-1, 5, 6, 9
- GRAVEL CONSTRUCTION ENTRANCE (TC-1)
- SILT FENCE
- LIMITS OF WORK
- FIBER ROLL



EROSION CONTROL PLAN

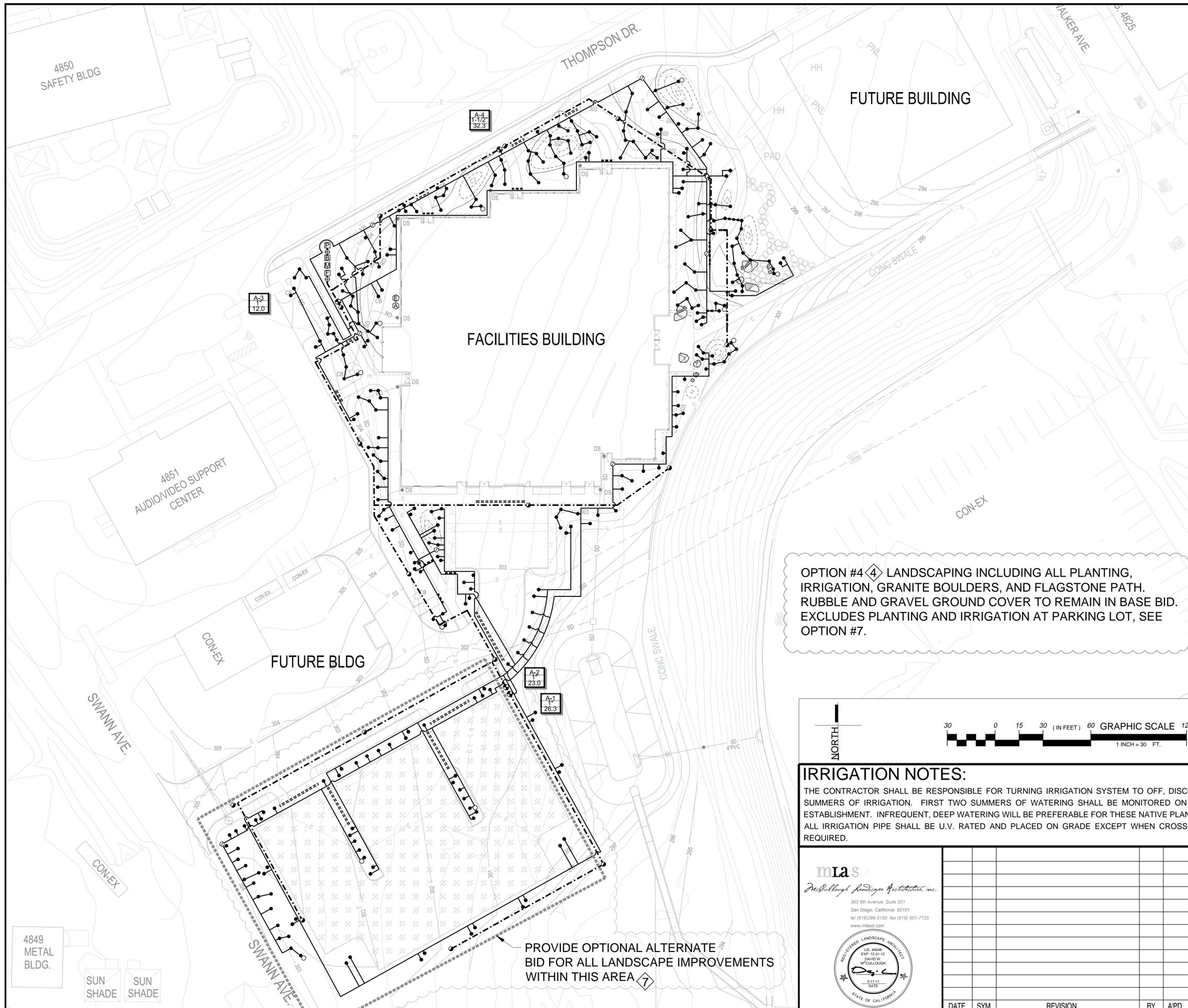
SCALE 1" = 40'



JB YOUNG & ASSOCIATES, LTD
 11440 Riverside Drive, Suite M
 Lakeside, California 92040
 (619) 448-9424
 (619) 448-4690 FAX

DATE	SYM	REVISION	BY	A'PD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		APPROVALS		DATE
DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		Chief, Facilities Engineering & Asset Mgmt. Office DAN CROWLEY	<i>[Signature]</i>	4/14/11
DRAWING TITLE		Project Requestor/Customer DAN CROWLEY	<i>[Signature]</i>	4/14/11
EROSION CONTROL PLAN		Facilities Project Manager GEMMA FLORES	<i>[Signature]</i>	4/14/11
PROJECT TITLE		Chief, Office of Protective Services JOHN ZELLNER	<i>[Signature]</i>	4/14/11
FACILITIES SUPPORT CENTER BUILDING 100% FINAL DESIGN SUBMITTAL		Chief - Safety, Health and Environmental Office DAN MULLEN	<i>[Signature]</i>	4/14/11
DATE STRTD		DRFC Chief Information Officer KEN NORLIN	<i>[Signature]</i>	4/14/11
DATE STRTD	11/04/10	DATE PRNTD	03/14/11	EDM-1703
DRAWN BY	JB	SCALE	AS NOTED	TRADE SH. No.
FILE NAME	C-9.1	SHEET No.	26	of 193

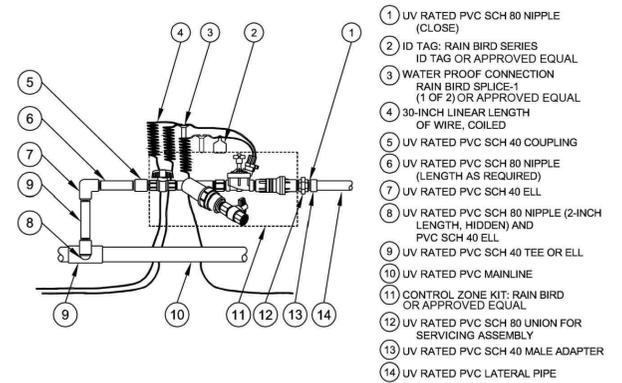


IRRIGATION MATERIAL LEGEND:

SYMBOL	MANUF. & MODEL	DESCRIPTION	DETAIL
•	JARDINIER SURFACE FLOW (OR APPROVED EQUAL)	EMITTER ASSEMBLY	'D', SHT. L-2
•	RAIN BIRD RWS-B-1401 (OR APPROVED EQUAL)	DEEP WATERING TREE BUBBLERS	'G', SHT. L-2
⊙	RAIN BIRD XCZ-100-PRF-BF (OR APPROVED EQUAL)	ELECTRIC SOLENOID VALVE, SIZE AS INDICATED WITHIN A PLASTIC VALVE BOX AS PER DETAIL	'A', SHT. L-1
○	NETAFIM TL050MFV-1 (OR APPROVED EQUAL)	AUTOMATIC FLUSH VALVE IN A 6" ROUND PLASTIC BOX	'C', SHT. L-2
⊙	NETAFIM AIR (OR APPROVED EQUAL)	1/2" AIR RELIEF VALVE IN A 6" ROUND PLASTIC BOX	'F', SHT. L-2
⊙	WEATHERMATIC SL1600 (OR APPROVED EQUAL)	6 STATION CONTROLLER MOUNT TO EXTERIOR WALL OF BLDG.	'A', SHT. L-2
⊙	WEATHERMATIC SLW20 (OR APPROVED EQUAL)	WEATHER STATION MOUNT TO EXTERIOR WALL OF BLDG.	'A', SHT. L-2
⊙	RAIN BIRD 33DLRC (OR APPROVED EQUAL)	3/4" QUICK COUPLING VALVE W/ LOCKING VINYL COVER IN A 6" ROUND PLASTIC BOX	'K', SHT. L-2
⊙	NIBCO T-113 (OR APPROVED EQUAL)	BRONZE GATE VALVE W/ WHEEL HANDLE - LINE SIZE INSTALLED IN A ROUND PLASTIC VALVE BOX	'E', SHT. L-2
⊙	FEBCO 825Y (OR APPROVED EQUAL)	BACKFLOW PREVENTER-LINE SIZE	'H', SHT. L-2
⊙	P.O.C.	SERVICE FROM A RECYCLED WATER SERVICE LINE, BY OTHERS	N/A
⊙	CALSENSE FM-B (OR APPROVED EQUAL)	FLOW SENSOR, LINE SIZE	'J', SHT. L-2
⊙	RAIN BIRD GB (OR APPROVED EQUAL)	MASTER VALVE, LINE SIZE	'I', SHT. L-2
---	MAIN LINE PIPING SCH. 40 PVC	SIZE AS NOTED PLACED ON GRADE; PROVIDE PVC SCH 40 PIPE SLEEVE (TWICE THE DIAMETER OF THE MAINLINE) UNDER ALL PAVING W/ MIN. OF 24" COVER	'B', SHT. L-2
---	LATERAL LINE PIPING 1/2" CLASS 315 PVC UNLESS NOTED OTHERWISE ON PLANS	SIZE AS NOTED PLACED ON GRADE; PROVIDE PVC SCH 40 PIPE LATERAL UNDER ALL PAVING W/ MIN. 18" COVER	'B', SHT. L-2
----	PVC SLEEVE PER SCH. BELOW	PROVIDE PVC SCH. 40 SLEEVE TWICE THE DIAMETER OF PIPE CARRIED	'B', SHT. L-2

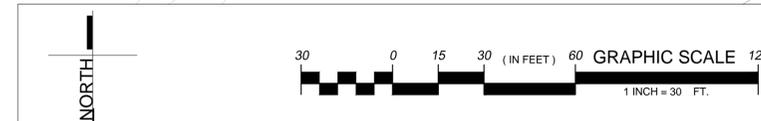
STATION SIZE (SPN)

VALVE STATION ID



A REMOTE CONTROL VALVE N.T.S.

OPTION #4 LANDSCAPING INCLUDING ALL PLANTING, IRRIGATION, GRANITE BOULDERS, AND FLAGSTONE PATH. RUBBLE AND GRAVEL GROUND COVER TO REMAIN IN BASE BID. EXCLUDES PLANTING AND IRRIGATION AT PARKING LOT, SEE OPTION #7.



IRRIGATION NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TURNING IRRIGATION SYSTEM TO OFF, DISCONNECTING, AND REMOVING THE SYSTEM FROM THE POINT OF CONNECTION AFTER TWO SUMMERS OF IRRIGATION. FIRST TWO SUMMERS OF WATERING SHALL BE MONITORED ON A REGULAR BASIS. PLANT MATERIAL SHALL RECEIVE ONLY ENOUGH WATER FOR INITIAL ESTABLISHMENT. INFREQUENT, DEEP WATERING WILL BE PREFERABLE FOR THESE NATIVE PLANT SPECIES. ALL IRRIGATION PIPE SHALL BE U.V. RATED AND PLACED ON GRADE EXCEPT WHEN CROSSING SIDEWALKS, WHERE PIPE SHALL BE PLACED UNDER SIDEWALKS WITHIN A SLEEVE AS REQUIRED.

PROVIDE OPTIONAL ALTERNATE BID FOR ALL LANDSCAPE IMPROVEMENTS WITHIN THIS AREA

mias
McCallough Landscape Architecture, Inc.
353 5th Avenue, Suite 201
San Diego, California 92101
tel (619) 296-3150 Fax (619) 501-7725
www.miasd.com

REGISTERED LANDSCAPE ARCHITECT
LIC. 54008
EXP. 12-31-12
DAVID W. MCCULLOUGH
3-11-11
DATE
STATE OF CALIFORNIA

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

DRAWING TITLE
LANDSCAPE IRRIGATION PLAN

PROJECT TITLE
FACILITIES SUPPORT CENTER BUILDING
100% FINAL DESIGN

APPROVALS		DATE
Chief, Facilities Engineering & Asset Mgmt Office DAN CROWLEY	<i>Daniel Crowley</i>	4/14/11
Project Requestor/Customer DAN CROWLEY	<i>Daniel Crowley</i>	4/14/11
Facilities Project Manager GEMMA FLORES	<i>Gemma Flores</i>	4/14/11
Chief, Office of Protective Services JOHN ZELLMER	<i>John Zellmer</i>	4/14/11
Chief, Safety, Health and Environmental Office DAN MULLEN	<i>Dan Mullen</i>	4/14/11
DFRC Chief Information Officer KEN NORLIN	<i>Ken Norlin</i>	4/14/11

DATE STRTD	11-04-10	DATE PRNTD	3-14-11
DRAWN BY	MLASD	EDM-1703	
SCALE	AS NOTED	TRADE	SHT. No.
FILE NAME	L-1	SHEET No.	29 of 139

4849 METAL BLDG.

SUN SHADE SUN SHADE

4850 SAFETY BLDG

4851 AUDIO/VIDEO SUPPORT CENTER

SWANN AVE.

CON-EX

IRRIGATION NOTES

ALL PRESSURE LINES SHALL BE TESTED FOR TWO HOURS UNDER HYDROSTATIC PRESSURE OF 150 PSI AND BE PROVEN WATER TIGHT. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT FOR TEST.

ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE PLANS.

THE SPRINKLER SYSTEM IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT EACH POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT TO THE OWNER'S AUTHORIZED REPRESENTATIVE ANY DIFFERENCE BETWEEN THE WATER PRESSURE SHOWN ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.

THE FINAL LOCATION OF THE AUTOMATIC CONTROLLER SHALL BE APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION. 120 VOLT ELECTRICAL POWER AT THE AUTOMATIC CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE FINAL HOOK-UP FROM THE ELECTRICAL OUTLET TO THE CONTROLLER IN ACCORDANCE WITH LOCAL ELECTRICAL CODE.

THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS, UNDER BUILDING/WALL FOUNDATIONS, AND OUTSIDE OF THE PROJECT BOUNDARY ARE FOR PLAN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE CONTROL AND QUICK COUPLING VALVES 6" TO 12" AWAY FROM HARDSCAPE FOR EASY ACCESS.

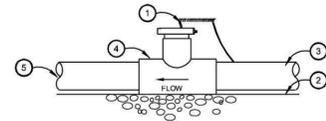
THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.

DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN SITE DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN FORESEEN AND CONSIDERED IN THE ENGINEERING. THE OWNER'S AUTHORIZED REPRESENTATIVE SHOULD BE INFORMED OF SUCH OBSTRUCTIONS AND DIFFERENCES, BUT IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.

INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN CONSTRUCTION DETAILS. USE TEFLON TAPE OR TEFLON PIPE DOPE ON ALL PVC MALE PIPE THREADS OF ALL SPRINKLER SWING JOINT AND VALVE ASSEMBLIES.

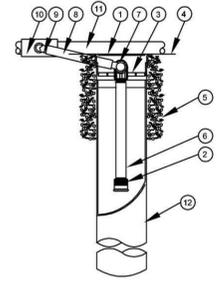
IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE, AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR UTILITIES. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS AND NEAR STRUCTURES.

DRAINAGE OF WATER THROUGH SPRINKLER HEADS WILL NOT BE ALLOWED. SOME SPRINKLERS WILL REQUIRE THE INSTALLATION OF AN ANTI-DRAIN VALVE IN THE RISER NIPPLE TO PREVENT DRAINAGE. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL AN ANTI-DRAIN VALVE AS REQUIRED AT ANY SPRINKLER SHOWING SIGNS OF DRAINING AFTER THE IRRIGATION SYSTEM HAS OPERATED FROM AN ON TO OFF POSITION. INSTALLATION OF ANTI-DRAIN VALVES SHALL BE INCLUDED IN THE BID PRICE WITHOUT ADDITIONAL COST TO THE OWNER.



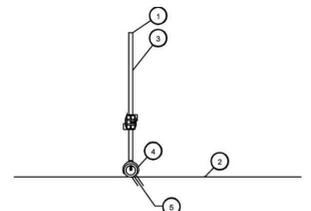
- LEGEND:**
1. FLOW SENSOR WIRE, TO CONTROLLER
 2. FINISH GRADE
 3. UV RATED MAINLINE 21" OF CLEAN PIPE UPSTREAM OF SENSOR
 4. CALSENSE FLOW SENSOR
 5. UV RATED 12" OF CLEAN PIPE DOWNSTREAM OF SENSOR

J | FLOW SENSOR N.T.S.



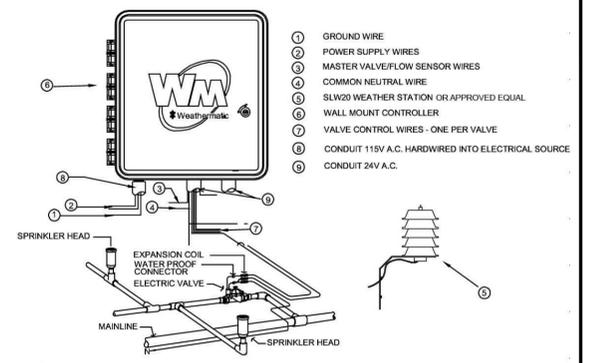
- LEGEND:**
1. 4-INCH GRATE (INCLUDED)
 2. BUBBLER, RAIN BIRD 1401 0.25 GPM (INCLUDED) - OR APPROVED EQUAL
 3. ROOT WATERING SYSTEM: (INCLUDES 1401 0.25 GPM BUBBLER (OR APPROVED EQUAL) WITH RISER, GRATE, SWING ASSEMBLY, 1/2" MALE NPT INLET, AND BASKET CANISTER)
 4. FINISH GRADE
 5. PEA GRAVEL AND RWS SAND SOCK (RWS-SOCK) (OR APPROVED EQUAL)
 6. 1/2-INCH PVC SCH 80 NIPPLE (INCLUDED)
 7. 1/2-INCH 90-DEGREE ELBOW (INCLUDED)
 8. 12-INCH SWING ASSEMBLY (INCLUDED)
 9. 1/2-INCH MALE NPT INLET (INCLUDED)
 10. UV RATED PVC SCH 40 TEE OR EL
 11. UV RATED LATERAL PIPE SET ON-GRADE
 12. 4-INCH BASKET WEAVE CANISTER (INCLUDED)

G | TREE BUBBLER N.T.S.



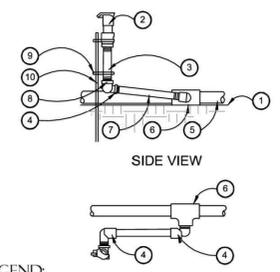
- LEGEND:**
1. SURFACEFLOW EMITTER OUTLET SHALL BE INSTALLED 3" MIN. ABOVE FINISHED GRADE. TUBING SHOULD BE INSTALLED HIGH AND TRIMMED DOWN TO FINAL HEIGHT ABOVE GRADE AFTER TESTING THE SYSTEM
 2. FINISH GRADE
 3. INSTALL TUBING RISER PLUMB
 4. SURFACEFLOW EMITTER ASSEMBLY WITH 1/2" PIPE SADDLE/BARS, EMITTER AND 1/4" POLYETHYLENE TUBING RISER. SEE IRRIGATION PLAN FOR EMITTER VOLUME.
 5. SURFACEFLOW PRE-PUNCHED SCH 40 UV RATED PVC PIPE. SEE IRRIGATION PLAN FOR SPACING OF HOLES/EMITTERS. PIPE SHALL BE INSTALLED ON-GRADE

D | BUBBLER N.T.S.



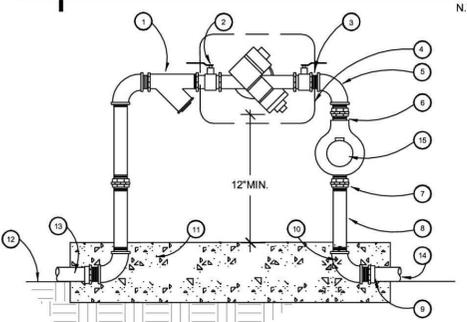
- LEGEND:**
1. GROUND WIRE
 2. POWER SUPPLY WIRES
 3. MASTER VALVE/FLOW SENSOR WIRES
 4. COMMON NEUTRAL WIRE
 5. SLW20 WEATHER STATION OR APPROVED EQUAL
 6. WALL MOUNT CONTROLLER
 7. VALVE CONTROL WIRES - ONE PER VALVE
 8. CONDUIT 115V A.C. HARDWIRED INTO ELECTRICAL SERVICE
 9. CONDUIT 24V A.C.

A | CONTROLLER N.T.S.



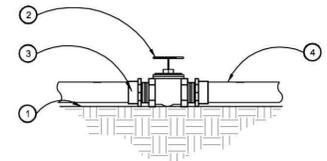
- LEGEND:**
1. FINISH GRADE
 2. QUICK COUPLING VALVE
 3. UV RATED SCH 80 PVC NIPPLE (LENGTH AS REQUIRED)
 4. UV RATED PVC 90 DEG. STREET ELL. SCH. 80
 5. UV RATED MAIN LINE PIPING
 6. UV RATED MAIN LINE FITTING
 7. UV RATED SCH 80 PVC NIPPLE - 6" MIN. LENGTH
 8. UV RATED 90 DEG. ELL. SCH. 80 X 1"
 9. STAINLESS STEEL COMPRESSION CLAMP, 2 REQUIRED.
 10. #4 x 24" MIN. REBAR STAKE. SECURE AT QUICK COUPLER & NIPPLE RISER.

K | QUICK COUPLING VALVE DETAIL N.T.S.



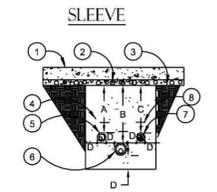
- LEGEND:**
1. BRASS WYE STRAINER W/ 60 MESH MONEL SCREEN
 2. BALL VALVE-2 PLACES
 3. BRASS NIPPLE TYPICAL-4 PLACES
 4. BACKFLOW PREVENTOR ASSEMBLY
 5. BRASS 90 ELL
 6. BRASS NIPPLE-TYP. 2 PLACES
 7. BRASS UNION-TYP. 2 PLACES
 8. BRASS NIPPLE-TYP. 2 PLACES
 9. SCH. 40 PVC MALE ADAPTOR-TYP. 2 PLACES
 10. BRASS 90 ELL-TYP. 2 PLACES
 11. CONCRETE FOUNDATION
 12. FINISH GRADE
 13. TO POINT OF CONNECTION
 14. FLOW TO SYSTEMS
 15. WATER METER (LINE SIZE)

H | BACK-FLOW PREVENTER DETAIL N.T.S.



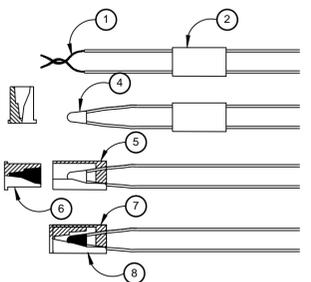
- LEGEND:**
1. FINISH GRADE
 2. GATE VALVE
 3. SCH. 40 PVC MALE ADAPTER-TYP.
 4. UV RATED PRESSURE MAINLINE PIPE

E | GATE VALVE N.T.S.



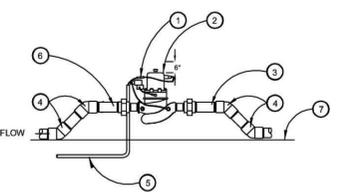
- LEGEND:**
1. PAVING
 2. BASE MATERIAL
 3. EARTH SURFACE
 4. SAND BACKFILL
 5. SLEEVED LATERAL PIPE
 6. SLEEVE MAIN LINE
 7. CONTROL WIRES USE PVC ELEC. SLEEVES UNDER PAVING
 8. DETECTABLE WARNING TAPE

B | SLEEVE INSTALLATION N.T.S.



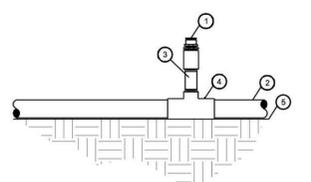
- LEGEND:**
1. STRIP WIRES APPROX. 5/8" FROM END
 2. SLIP BASE SOCKET OVER END OF WIRES
 3. APPLY SEALER TO OUTSIDE OF SEALING PLUG. FILL CAVITY WITH SEALER
 4. PUT CRIMP SLEEVE OVER WIRE ENDS
 5. PULL BASE SOCKET OVER END AS FAR AS POSSIBLE
 6. PUSH SEALING PLUG INTO BASE SOCKET
 7. PUSH WIRES TO END OF BASE SOCKET
 8. RAIN BIRD SNAP-TITE WIRE CONNECTOR (OR APPROVED EQUAL)

L | WIRE CONNECTION N.T.S.



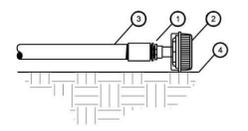
- LEGEND:**
1. WATERPROOF SPLICE
 2. MASTER CONTROL VALVE
 3. UV RATED SCH. 80 PVC NIPPLE LENGTH AS REQUIRED.
 4. UV RATED LOWER LATERAL LINE W/ SCH. 80 PVC 45 ELBOWS.
 5. TO IRRIGATION CONTROLLER 1" UV RATED PVC CONDUIT. (AS REQUIRED)
 6. UV RATED SCHEDULE 80 PVC THREADED FITTINGS (AS REQUIRED)
 7. FINISH GRADE

I | MASTER VALVE N.T.S.



- LEGEND:**
1. AIR RELEASE VALVE
 2. SURFACEFLOW UV RATED LATERAL LINE
 3. 1/2" SCH. 80 NIPPLE LENGTH AS REQUIRED
 4. PVC 1" x 1" x 3/4" T W/ 3/4" SCH. 80 NIPPLE
 5. FINISH GRADE

F | AIR RELIEF VALVE N.T.S.



- LEGEND:**
1. 3/4" x 1/2" REDUCTION BUSHING
 2. AUTOMATIC FLUSH VALVE
 3. SURFACEFLOW UV RATED LATERAL LINE
 4. FINISH GRADE

C | AUTOMATIC FLUSH VALVE N.T.S.

OPTION #4 LANDSCAPING INCLUDING ALL PLANTING, IRRIGATION, GRANITE BOULDERS, AND FLAGSTONE PATH. RUBBLE AND GRAVEL GROUND COVER TO REMAIN IN BASE BID. EXCLUDES PLANTING AND IRRIGATION AT PARKING LOT, SEE OPTION #7.

mlas
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 353 5th Avenue, Suite 201
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 tel: (619) 296-3150 fax: (619) 501-7725
 www.mlasd.com

REGISTERED LANDSCAPE ARCHITECT
 LIC. 54005
 EXP. 12-31-12
 DWID W.
 MCCULLOUGH
 3-11-11
 DATE
 STATE OF CALIFORNIA

DATE	SYM	REVISION	BY	APD

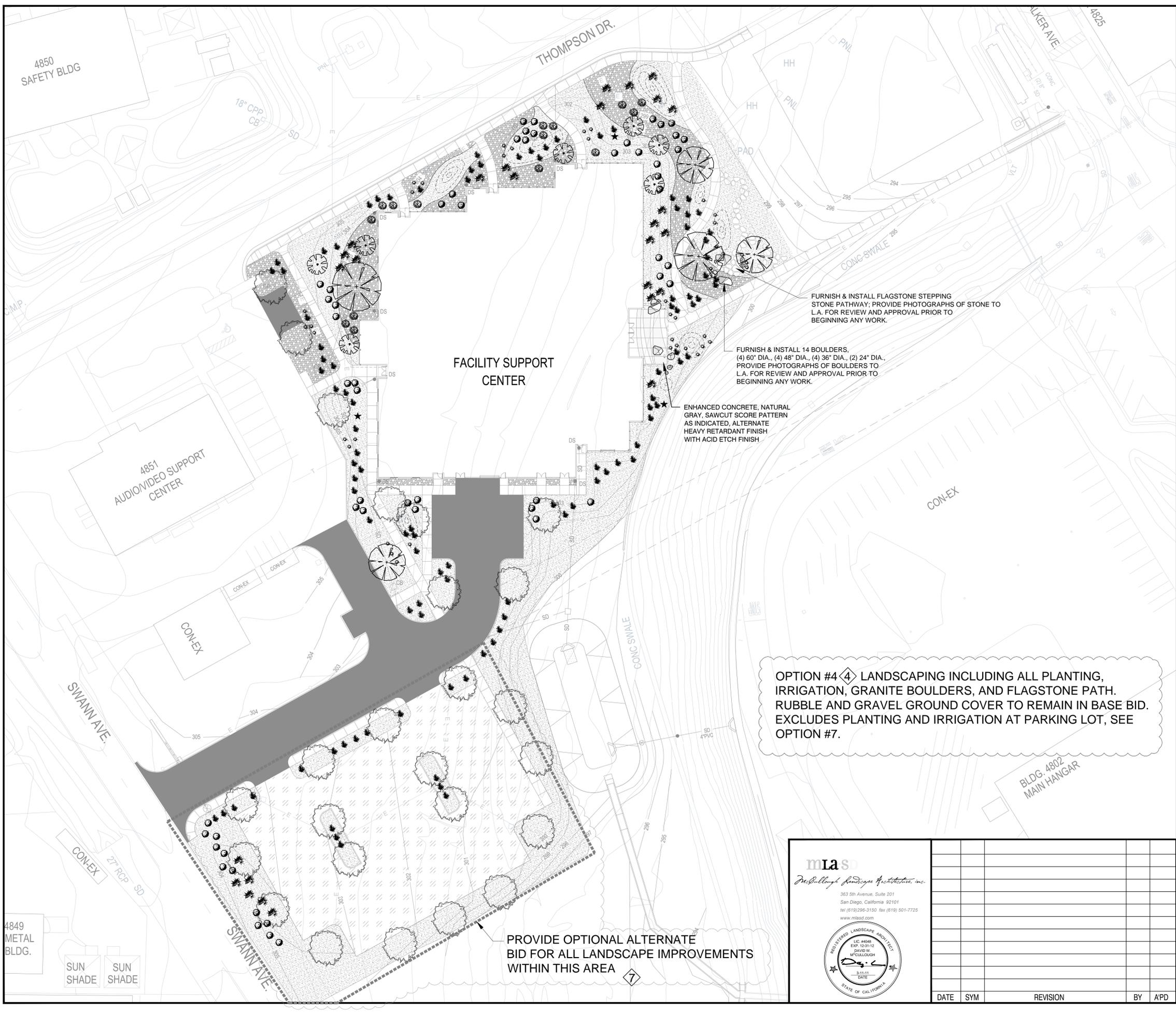
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
DRYDEN FLIGHT RESEARCH CENTER
 EDWARDS, CA

DRAWING TITLE
LANDSCAPE IRRIGATION DETAILS

PROJECT TITLE
 FACILITIES SUPPORT CENTER BUILDING
 100% FINAL DESIGN

APPROVALS		DATE
Chief, Facilities Engineering & Asset Mgmt. Office DAN CROWLEY	<i>Daniel Crowley</i>	4/14/11
Project Requestor/Customer DAN CROWLEY	<i>Daniel Crowley</i>	4/14/11
Facilities Project Manager GEMMA FLORES	<i>Gemma Flores</i>	4/14/11
Chief, Office of Protective Services JOHN ZELMER	<i>John Zelmmer</i>	4/14/11
Chief, Safety, Health and Environmental Office DAN MULLEN	<i>Dan Mullen</i>	4/14/11
OPRC Chief Information Officer HEN NORLIN	<i>Hen Norlin</i>	4/14/11

DATE STRTD	11-04-10	DATE PRINTD	3-14-11
DRAWN BY	MLASD	EDM-1703	
SCALE	AS NOTED	TRADE	SH. No.
FILE NAME	L-2	SHEET No. 30 of 130	



FACILITY SUPPORT CENTER

FURNISH & INSTALL FLAGSTONE STEPPING STONE PATHWAY; PROVIDE PHOTOGRAPHS OF STONE TO L.A. FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK.

FURNISH & INSTALL 14 BOULDERS. (4) 60" DIA., (4) 48" DIA., (4) 36" DIA., (2) 24" DIA., PROVIDE PHOTOGRAPHS OF BOULDERS TO L.A. FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK.

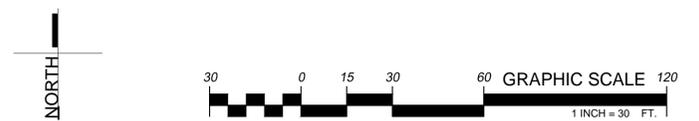
ENHANCED CONCRETE, NATURAL GRAY, SAWCUT SCORE PATTERN AS INDICATED, ALTERNATE HEAVY RETARDANT FINISH WITH ACID ETCH FINISH

OPTION #4 LANDSCAPING INCLUDING ALL PLANTING, IRRIGATION, GRANITE BOULDERS, AND FLAGSTONE PATH. RUBBLE AND GRAVEL GROUND COVER TO REMAIN IN BASE BID. EXCLUDES PLANTING AND IRRIGATION AT PARKING LOT, SEE OPTION #7.

PROVIDE OPTIONAL ALTERNATE BID FOR ALL LANDSCAPE IMPROVEMENTS WITHIN THIS AREA

SYMBOL	DESCRIPTION	SIZE	NOTE
	CERCIDIUM FLORIDUM PALO VERDE	36" BOX	MULTI
	CHILOPSIS LINEARIS DESERT WILLOW	24" BOX	MULTI
	DALEA SPINOSA SMOKE TREE	24" BOX	MULTI
	FOUQUIERIA SPLENDENS OCOTILLO	15 GALLON	MULTI
	CREOSOTE LARREA TRIDENTATA CREOSOTE BUSH	15 GALLON	
	CHRYSOTHAMNUS NAUSEOSUS RABBITBRUSH	5 GALLON	
	AGAVE UTAHENSIS CENTURY PLANT	5 GALLON	
	AGAVE DESERTI CENTURY PLANT	5 GALLON	
	GRANITE BOULDERS, PROVIDE PHOTOS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK	60" DIA. 48" DIA. 36" DIA. 24" DIA.	
	LANDSCAPE BERMS, AT 1' CONTOURS FROM ON-SITE SPOILS WHERE POSSIBLE		
	3/4" GRAVEL TO MATCH SITE TOPSOIL		2" DEPTH OVER WEED CONTROL FABRIC
	4"-8" HONEY QUARTZ RUBBLE AVAILABLE THROUGH DSS OR APPROVED EQUAL (www.decorativestonesolutions.com)		OVER WEED CONTROL FABRIC; FABRIC SHALL BE COMPLETELY CONCEALED BY ROCK

DRAINAGE NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE DRAINAGE AT 2% MIN. IN ALL PLANTER AREAS TO FINAL DRAINAGE LOCATIONS PER CIVIL ENGINEER'S DRAWINGS. THERE SHALL BE NO LOW SPOTS OR PLACES FOR STORM WATER TO POND AFTER CONSTRUCTION.



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DATE	SYM	REVISION	BY	APD

 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA	APPROVALS Chief, Facilities Engineering & Asset Mgmt. Office DAN CROWLEY <i>Daniel Crowley</i> 4/14/11 Project Requestor/Customer DAN CROWLEY <i>Daniel Crowley</i> 4/14/11 Facilities Project Manager GEMMA FLORES <i>Gemma Flores</i> 4/14/11 Chief, Office of Protective Services JOHN ZELLNER <i>John Zellner</i> 4/14/11 Chief - Safety, Health and Environmental Office DAN MULLEN <i>Daniel Mullen</i> 4/14/11 SFRIC Chief Information Officer KEN NORLIN <i>Ken Norlin</i> 4/14/11	DATE 4/14/11 4/14/11 4/14/11 4/14/11 4/14/11
	DRAWING TITLE LANDSCAPE PLANTING PLAN	
PROJECT TITLE FACILITIES SUPPORT CENTER BUILDING 100% FINAL DESIGN		DATE STRTD: 11-04-10 DATE PRINTD: 3-14-11 DRAWN BY: MLASD SCALE: AS NOTED FILE NAME: L-3
		SHEET No. 31 of 199 EDM-1703

OPTION #4 LANDSCAPING INCLUDING ALL PLANTING, IRRIGATION, GRANITE BOULDERS, AND FLAGSTONE PATH. RUBBLE AND GRAVEL GROUND COVER TO REMAIN IN BASE BID. EXCLUDES PLANTING AND IRRIGATION AT PARKING LOT, SEE OPTION #7.

PLANTING NOTES

REFER TO PLANTING SPECIFICATIONS AND DETAILS FOR SOIL PREPARATION, FERTILIZATION, MULCHING AND OTHER PLANTING INFORMATION.

NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.

VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY SHOULD FIELD CONDITIONS VARY FROM THOSE SHOWN ON PLAN.

REPORT DISCREPANCIES IN THE DRAWINGS OR BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT. CORRECTED DRAWINGS OR INSTRUCTION SHALL BE ISSUED PRIOR TO THE CONTINUATION OF THIS WORK. ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT KNOWN DISCREPANCIES.

LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND PROTECT THEM FROM DAMAGE. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY AND ASSUME FULL RESPONSIBILITY FOR EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH DAMAGED UTILITIES.

LOCATION OF N.I.C. CONSTRUCTION ELEMENTS SUCH AS LIGHTS, SIGNS, VENTS HYDRANTS, TRANSFORMERS, ETC. ARE APPROXIMATE. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY SHOULD THE LOCATION OF THESE ITEMS INTERFERE WITH THE PROPER EXECUTION OF WORK.

OBTAIN ALL SOIL FOR LANDSCAPE PLANTING AREAS OR BERMS FROM ON-SITE EXCAVATIONS. SHOULD IMPORT SOIL BE NECESSARY, SUBMIT IMPORT SOIL TESTING RESULTS FOR APPROVAL PRIOR TO IMPORTATION. SOIL SHALL BE SANDY LOAM CONTAINING NO TOXIC CHEMICALS OR ELEMENTS WHICH MAY INHIBIT OR RETARD NORMAL PLANT GROWTH.

AFTER ROUGH GRADES HAVE BEEN ESTABLISHED IN PLANTING AREAS, HAVE SOIL SAMPLES TAKEN AT THE LOCATIONS INDICATED BY DESIGNATION. HAVE SAMPLES TESTED BY A CERTIFIED AGRONOMIC SOIL TESTING LABORATORY, FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY TEST AND SOIL PREPARATION RECOMMENDATIONS. TAKE TWO SAMPLES AT EACH LOCATION: (1) GROUND LEVEL TO 10" DEEP, (2) 24" TO 36" DEEP. EACH SAMPLE SHALL CONTAIN APPROXIMATELY 1 QUART OF SOIL TO BE LABELED PER LOCATION AND DEPTH. INSTALL SOIL PREPARATION AND BACK FILL MIX TO CONFORM TO THESE RECOMMENDATIONS ONLY UPON RECEIPT OF WRITTEN CHANGE ORDER FROM OWNER. SUBMIT SOIL REPORT TO LANDSCAPE ARCHITECT PRIOR TO PLANTING. IF LOCATIONS FOR SOILS TEST ARE NOT FOUND ON PLANS IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE LANDSCAPE ARCHITECT FOR SAID LOCATIONS PRIOR TO BEGINNING ANY WORK.

KILL AND REMOVE ALL EXISTING WEEDS FROM SITE AREAS PER SPECIFICATIONS.

ASSURE POSITIVE DRAINAGE IN ALL PLANTING AREAS, 2% MINIMUM.

LOCATE AND TAG ALL PLANT MATERIAL. MATERIAL SHALL BE IN CONFORMANCE WITH PLANTING PLAN DESCRIPTIONS AND SPECIFICATIONS. ALL PLANT MATERIAL IS SUBJECT TO REVIEW AND APPROVAL PRIOR TO INSTALLATION. PROVIDE PHOTOS OF REPRESENTATIVE EXAMPLES OF EACH TAGGED BLOCK TO LANDSCAPE ARCHITECT MINIMUM 21 DAYS BEFORE ANTICIPATED DELIVERY. PHOTOS SHALL INCLUDE A PERSON FOR SCALE PURPOSES. LANDSCAPE ARCHITECT MAY OPT TO REVIEW MATERIAL AT GROWING NURSERY. MATERIAL DELIVERED TO THE SITE MAY BE REJECTED BASED ON UNHEALTHFUL APPEARANCE OR NON CONFORMANCE WITH SPECIFICATIONS EVEN IF PREVIOUSLY REVIEWED BY THE LANDSCAPE ARCHITECT OR OWNER.

ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM.

FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE.

PLANTING QUANTITIES ARE GIVEN FOR CONVENIENCE ONLY. PLANT SYMBOLS AND SPECIFIED SPACING SHALL TAKE PRECEDENCE.

AT EDGES OF PLANTING AREAS, THE CENTER LINE OF THE LAST ROW OF SHRUBS AND/OR GROUND COVER SHALL BE LOCATED NO FARTHER FROM THE EDGE THAN ONE-HALF THE SPECIFIED ON-CENTER SPACING.

INSTALL GROUND COVER AND/OR SHRUB MASSES WITH TRIANGULAR SPACING UNLESS OTHERWISE INDICATED.

PROVIDE FERTILIZER TABLETS FOR EACH CONTAINER GROWN PLANT 1 GALLON AND LARGER PER SPECIFICATIONS.

FOR ALL TREES WITHIN 5'-0" OF PAVING, INSTALL ROOT BARRIER ALONG PAVING EDGE BY DEEP ROOT CORPORATION (800) 468-7668.

ALL CURVE TO CURVE AND CURVE TO TANGENT LINES SHALL BE NEAT, TRIM, SMOOTH AND UNIFORM.

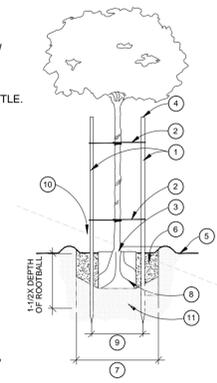
REMOVE ALL NURSERY STAKES AND ESPALIER RACKS IMMEDIATELY AFTER INSTALLATION UPON PROVIDING SUPPORT PER PLAN.

LIST ON THE PLANT MATERIAL GUARANTEE ALL EXISTING TREES THAT HAVE HAD WORK PERFORMED WITHIN 6' OF TRUNK.

DURING THE LENGTH OF THE GUARANTEE PERIOD BE RESPONSIBLE FOR PROPER STAKING AND/OR GUYING OF TREES TO ENSURE STABILITY.

LEGEND:

- (2) 2 IN. DIA. X 10 FT. LONG LODGEPOLE PINE STAKES, SET PERPENDICULAR TO PREVAILING WINDS.
- V.I.T. CUNCH TIES, OR EQUAL, INSTALL PER MANUFACTURER'S.
- SET CROWN 2 IN. ABOVE FINISH GRADE.
- CUT TOP SECTION OFF STAKE 6" BELOW TREE CANOPY.
- FINISH GRADE.
- BACKFILL (SEE SPEC.) PUDDLE AND SETTLE. SET TREE 2 IN. ABOVE FINISH GRADE.
- 2 X ROOTBALL DIAMETER.
- TREE PIT-FILL AND SETTLE WITH A MIN. OF 24 HOURS PRIOR TO PLANTING.
- PLACE STAKES OUTSIDE OF ROOTBALL.
- FINISH GRADE AT EXISTING SLOPE (AS REQ'D).
- SUBGRADE.

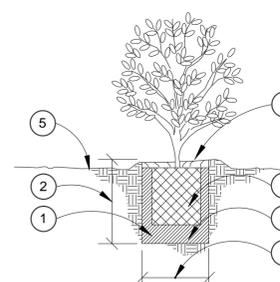


NOTES:

- A) TREES 15 GALLON SIZE OR SMALLER- PROVIDE SINGLE STAKE. CUT STAKE 6" BELOW TREE CANOPY.
- B) TREES 24 BOX SIZE OR LARGER- PROVIDE DOUBLE STAKE. CUT STAKE 6" BELOW TREE CANOPY.

A | TREE PLANTING DETAIL

N.T.S.



LEGEND:

- BACKFILL MIX, (SEE SPECS.)
- MIN. 1 1/2X ROOTBALL DEPTH
- WATER RETENTION BASIN 4" HIGH
- PUDDLE AND SETTLE BACKFILL PRIOR TO PLACEMENT OF SHRUB
- FINISH GRADE
- 2X WIDTH OF ROOTBALL
- ROOTBALL

B | SHRUB PLANTING DETAIL

N.T.S.

MODEL NO.	PEAKS	DIM. "A"
130-50	2	30" LG.
130-50	3	50" LG.
130-50	4	70" LG.
130-50	5	90" LG.

FINISH OPTIONS:

- HOT DIPPED GALVANIZED
- COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.

NOTE:

1.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTION S-2.

SCALE: NONE **TITLE:** BIKE RACK

DuMar, inc.
P.O. Box 142 Millintown, PA 17059-0142

DATE DRAWN: 2/12/99 **DATE REV:** 12/19/06

REV. BY: ESS **DRWING NUMBER:** D **130 SERIES** **SHEET 1 OF 2**

INSTALLATION FOR SURFACE MOUNT:

STEP 1:

- USE 1 - PC. BIKE LOOP, SURFACE MOUNT (1)
- 2 - PCS. 3/8" THK SURFACE MOUNT PLATE (2)
- 2 - PCS. 10 GA X 8" DIA ANCHOR PLATE COVER (3)
- 2 - PCS. 5/8" X 1 1/2" SS FLT SKT HD CAP SCREW (4)

INSTALLATION FOR SUB FLOOR:

SAME AS SURFACE MOUNT BUT DO NOT USE 10 GA X 8" DIA ANCHOR PLATE COVER.

REV	QTY	PART NO.	DESCRIPTION
1	1	5-130-50/2	4 PRK LOOP BIKE RACK FOR SURF MT
2	2	0-83-00-03	3/8" THK SURFACE MOUNT PLATE
3	2	0-83-00-04	10 GA X 8" DIA ANCHOR PLATE COVER
4	2	1-12-102	5/8" X 1 1/2" SS FLT SKT HD CAP SCR

STEP 2:

ANCHOR ACCORDINGLY.

SCALE: NONE **TITLE:** BIKE RACK ASSEMBLY

DuMar, inc.
P.O. Box 142 Millintown, PA 17059-0142

DATE DRAWN: 2/12/99 **DATE REV:** 12/19/06

REV. BY: ESS **DRWING NUMBER:** D **130 SERIES** **SHEET 2 OF 2**

 mla s Dr. Bullough Landscape Architecture, Inc. 363 6th Avenue, Suite 201 San Diego, California 92101 tel (619)296-3150 fax (619) 501-7725 www.mlasi.com 	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		APPROVALS Chief, Facilities Engineering & Asset Mgmt. Office DAN CROWLEY <i>Daniel Crowley</i> 4/14/11 Project Requestor/Customer DAN CROWLEY <i>Daniel Crowley</i> 4/14/11 Facilities Project Manager GEMMA FLORES <i>Gemma Flores</i> 4/14/11 Chief, Office of Protective Services JOHN ZELMER <i>John Zeller</i> 4/14/11 Chief, Safety, Health and Environmental Office DAN MULLEN <i>Daniel J. Mullen</i> 4/14/11 DFR Chief Information Officer KEN NORLIN <i>Ken Norlin</i> 4/14/11		DATE DATE STRTD 11-04-10 DATE PRINTD 3-16-11
	DRAWING TITLE LANDSCAPE PLANTING DETAILS		DATE DATE STRTD 11-04-10 DATE PRINTD 3-16-11		
	PROJECT TITLE FACILITIES SUPPORT CENTER BUILDING 100% FINAL DESIGN		DATE DATE STRTD 11-04-10 DATE PRINTD 3-16-11		
DATE DATE STRTD 11-04-10 DATE PRINTD 3-16-11	SYM DRAWN BY MLASD SCALE AS NOTED FILE NAME L-4	REVISION TRADE SH. No. EDM-1703 SHEET No. 32	BY TRADE SH. No. EDM-1703 SHEET No. 32	APD TRADE SH. No. EDM-1703 SHEET No. 32	



KEYNOTES:

- 1 ALL LOCATIONS
- 2 DEMOLISH AND REMOVE COMPLETE SINGLE STORY BUILDING TO STRUCTURAL SLAB.
- 3 DEMOLISH AND REMOVE ALL AFFIXED DEVICES, EQUIPMENT, CONDUITS, PIPES, RAILINGS, HARDWARE, SIGNAGE AND OTHER BUILDING COMPONENTS.
- 4 DEMOLISH AND REMOVE STRUCTURAL SLAB TO NATURAL GRADE
- 5 RELOCATE (E) CONEX BOX TO (N) LOCATION AT DFRC STORAGE FACILITY. SEE DRAWING C3.3
- 6 RELOCATE (E) CHEMICAL LOCKER TO (N) FACILITIES BUILDING SITE SEE DRAWING A1.0

6 PAVE DEMOLITION AREA WITH ASPHALT PAVEMENT TO MATCH SURROUNDING AREAS. SEE C3.2.

- LEGEND:**
- 6 ALL LOCATIONS
 - FOOTPRINT OF BUILDING TO BE DEMOLISHED
 - x PHOTO TAG SEE SHEETS A0.1 AND A0.2

NOTE: SEE CIVIL PLANS FOR ADDITIONAL DEMOLITION INFORMATION



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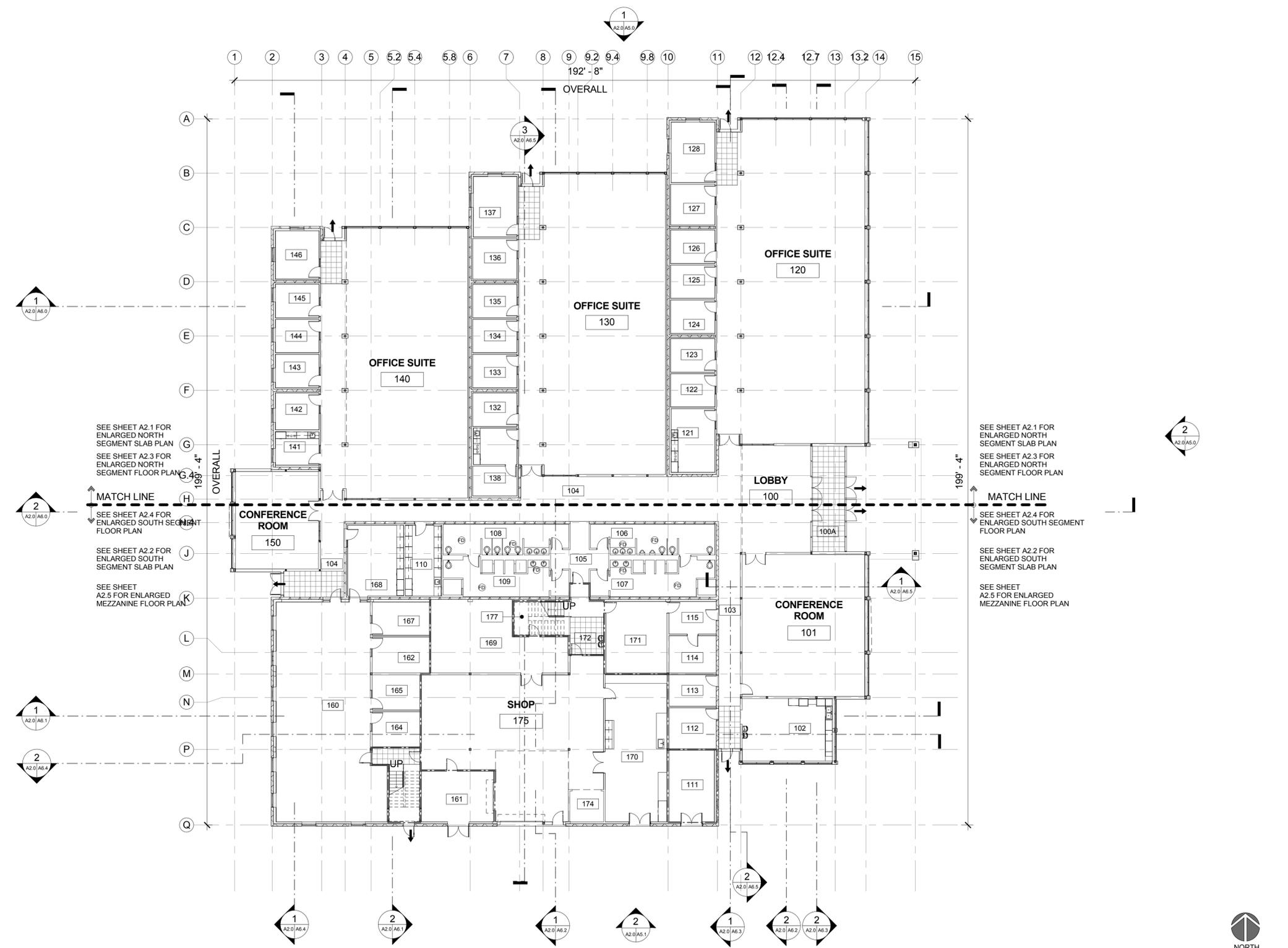
DATE	SYM	REVISION	BY	A/PD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA	APPROVALS Chief, Facilities Engineering Dept. Office / DAN CROWLEY <i>Daniel J. Lortz</i> 4/14/11 Project Registrar/Customs / DAN CROWLEY <i>Daniel J. Lortz</i> 4/14/11 Facilities Project Manager / GENMA FLORES <i>Genma Flores</i> 4/14/11 Chief, Office of Protective Services / JOHN ZELLNER <i>John Zellner</i> 4/14/11 Chief - Safety, Health and Environmental Office / DAN MULLEN <i>Daniel J. Mullen</i> 4/14/11 DFRC Chief Information Officer / KEN NORLIN <i>Ken Norlin</i> 4/14/11	DATE 4/14/11
	DRAWING TITLE DEMOLITION SITE PLAN	PROJECT TITLE FACILITIES SUPPORT CENTER BUILDING 100% FINAL DESIGN SUBMITTAL

PROJECT SQUARE FOOTAGE

ROOM NUMBER	ROOM NUMBER	ROOM AREA	OCCUPANT TYPE
100	LOBBY	810 SF	B
100A	VESTIBULE	290 SF	B
101	CONFERENCE ROOM	1415 SF	B
102	BREAK ROOM	477 SF	B
103	CORRIDOR	343 SF	B
104	CORRIDOR	1322 SF	B
105	VESTIBULE	148 SF	B
106	MEN	289 SF	B
107	MEN'S SHOWER	338 SF	B
108	WOMEN	291 SF	B
109	WOMEN'S SHOWER	340 SF	B
110	HEALTH LAB	207 SF	B
111	ELECTRICAL	263 SF	B
112	COMM	155 SF	B
113	STORAGE	119 SF	B
114	SUPPLY	142 SF	B
115	LAUNDRY	124 SF	B
120	OFFICE SUITE	3877 SF	B
121	COPY	224 SF	B
122	OFFICE - A	119 SF	B
123	OFFICE - A	120 SF	B
124	OFFICE - A	120 SF	B
125	OFFICE - A	119 SF	B
126	OFFICE - A	120 SF	B
127	OFFICE - B	146 SF	B
128	CONFERENCE	219 SF	B
130	OFFICE SUITE	3488 SF	B
131	COPY	128 SF	B
132	OFFICE - A	120 SF	B
133	OFFICE - A	120 SF	B
134	OFFICE - A	119 SF	B
135	OFFICE - A	120 SF	B
136	OFFICE - B	145 SF	B
137	CONFERENCE	218 SF	B
138	COMM RM	107 SF	B
140	OFFICE SUITE	3129 SF	B
141	COPY	119 SF	B
142	OFFICE - B	132 SF	B
143	OFFICE - B	121 SF	B
144	OFFICE	120 SF	B
145	OFFICE	121 SF	B
146	CONFERENCE	176 SF	B
150	CONFERENCE ROOM	671 SF	B
160	OFFICE SUITE	1753 SF	B
161	HOT WORK SHOP	297 SF	F-1
162	OFFICE	164 SF	B
164	OFFICE	134 SF	B
165	OFFICE	134 SF	B
167	OFFICE	152 SF	B
168	PLAN AND TRAINING	317 SF	B
169	TOOL CRIB	638 SF	F-1
170	TEST & DEVELOPMENT SHOP/LAB	731 SF	F-1
171	JAN. STAFF	350 SF	B
172	VESTIBULE	146 SF	B
174	LIFT	87 SF	F-1
175	SHOP	1790 SF	F-1
177	STAIR #1	151 SF	B
178	STAIR #2	204 SF	B
200	MEZZANINE	6973 SF	S
201	BOILER ROOM	170 SF	F-1
205	CHILLER ROOM	170 SF	F-1
TOTAL SQUARE FEET =		35657 SQ. FT.	

BUILDING TYPE II - B



SEE SHEET A2.1 FOR ENLARGED NORTH SEGMENT SLAB PLAN
 SEE SHEET A2.3 FOR ENLARGED NORTH SEGMENT FLOOR PLAN
 SEE SHEET A2.4 FOR ENLARGED SOUTH SEGMENT FLOOR PLAN
 SEE SHEET A2.2 FOR ENLARGED SOUTH SEGMENT SLAB PLAN
 SEE SHEET A2.5 FOR ENLARGED MEZZANINE FLOOR PLAN

SEE SHEET A2.1 FOR ENLARGED NORTH SEGMENT SLAB PLAN
 SEE SHEET A2.3 FOR ENLARGED NORTH SEGMENT FLOOR PLAN
 SEE SHEET A2.4 FOR ENLARGED SOUTH SEGMENT FLOOR PLAN
 SEE SHEET A2.2 FOR ENLARGED SOUTH SEGMENT SLAB PLAN
 SEE SHEET A2.5 FOR ENLARGED MEZZANINE FLOOR PLAN

FLOOR PLAN SCALE: 1/16" = 1'-0"

LEGEND
 → MEANS OF EGRESS
 ≡ 1-HR RATED SEPARATION



DEVELOPMENT ONE, INC.
 1611 East Fourth Street, Suite 250
 Santa Ana, California 92701
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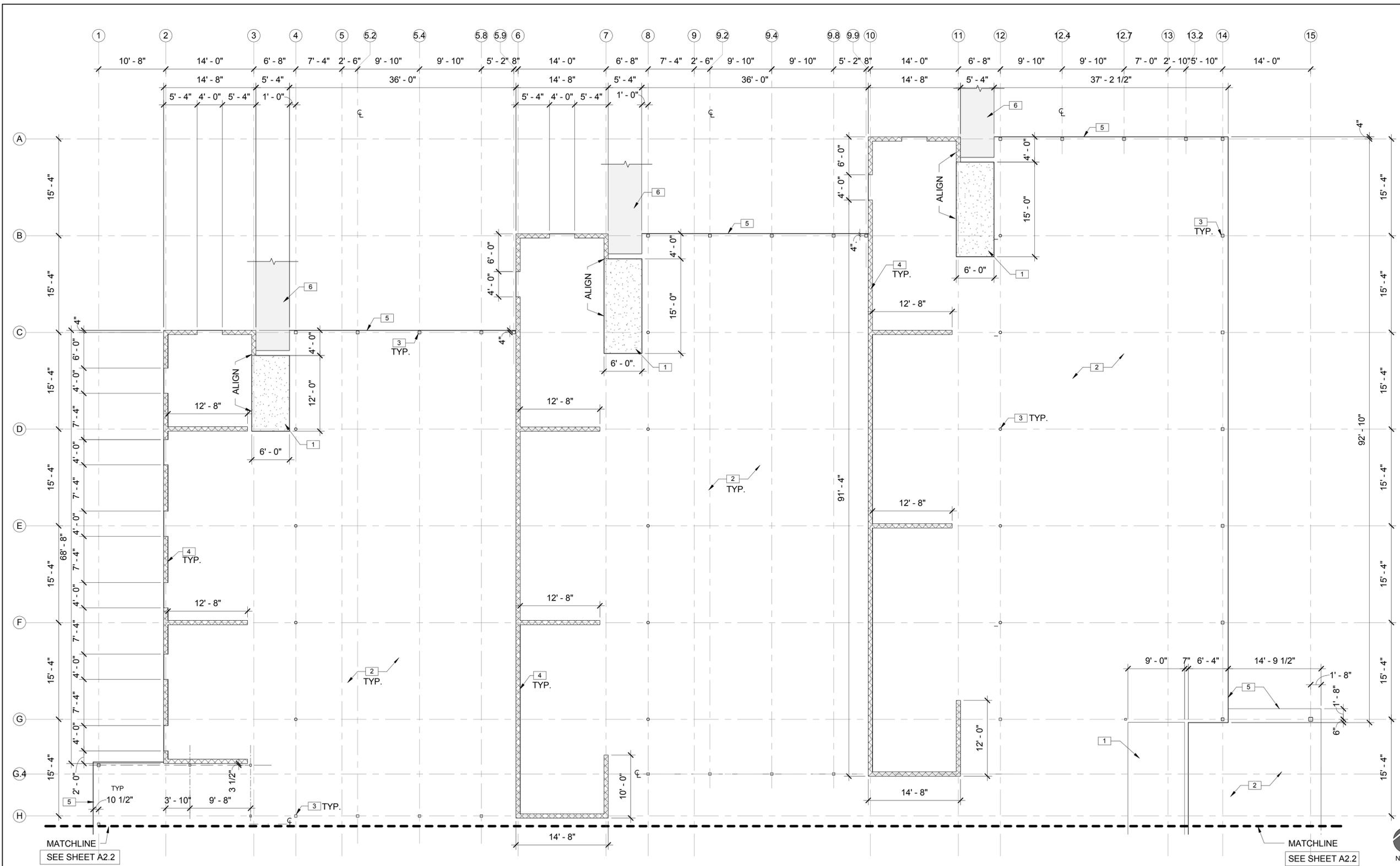
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 DRYDEN FLIGHT RESEARCH CENTER
 EDWARDS, CA

DRAWING TITLE
BUILDING FLOOR PLAN

PROJECT TITLE
**FACILITIES SUPPORT CENTER BUILDING
 100% FINAL DESIGN SUBMITTAL**

APPROVALS		DATE
Chief, Facilities Engineering	<i>[Signature]</i>	4/14/11
Project Requestor / Custodian	<i>[Signature]</i>	4/14/11
Facilities Project Manager	<i>[Signature]</i>	4/14/11
Chief, Office of Protective Services	<i>[Signature]</i>	4/14/11
Chief - Safety, Health, and Environmental Office	<i>[Signature]</i>	4/14/11
BERC Chief Information Officer	<i>[Signature]</i>	4/14/11

DATE STRTD: 11/03/10 DATE PRNTD: 03/14/11
 DRAWN BY: EDM-1703
 SCALE: AS NOTED TRADE SH. No.
 FILE NAME: A2.0 SHEET No. 37 of 193



- KEYNOTES:**
- 1 DEPRESS SLAB 3/4"
 - 2 CONCRETE SLAB ON GRADE, SEE STRUCTURAL DWG
 - 3 STEEL COLUMN - SEE STRUCTURAL DRAWINGS
 - 4 BURNISHED 8" CMU WALL
 - 5 EDGE OF SLAB
 - 6 CONCRETE SIDEWALK, SEE CIVIL DRAWINGS ON PAVEMENT PLAN
- NOTE:
REFER TO STRUCTURAL DRAWINGS FOR SLAB JOINT LOCATIONS

NORTH SEGMENT SLAB PLAN

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

LEGEND:

- SLAB DEPRESSION
- CMU, PER STRUCTURAL
- MATCHLINE
- CONCRETE SIDEWALK, SEE CIVIL DWG'S

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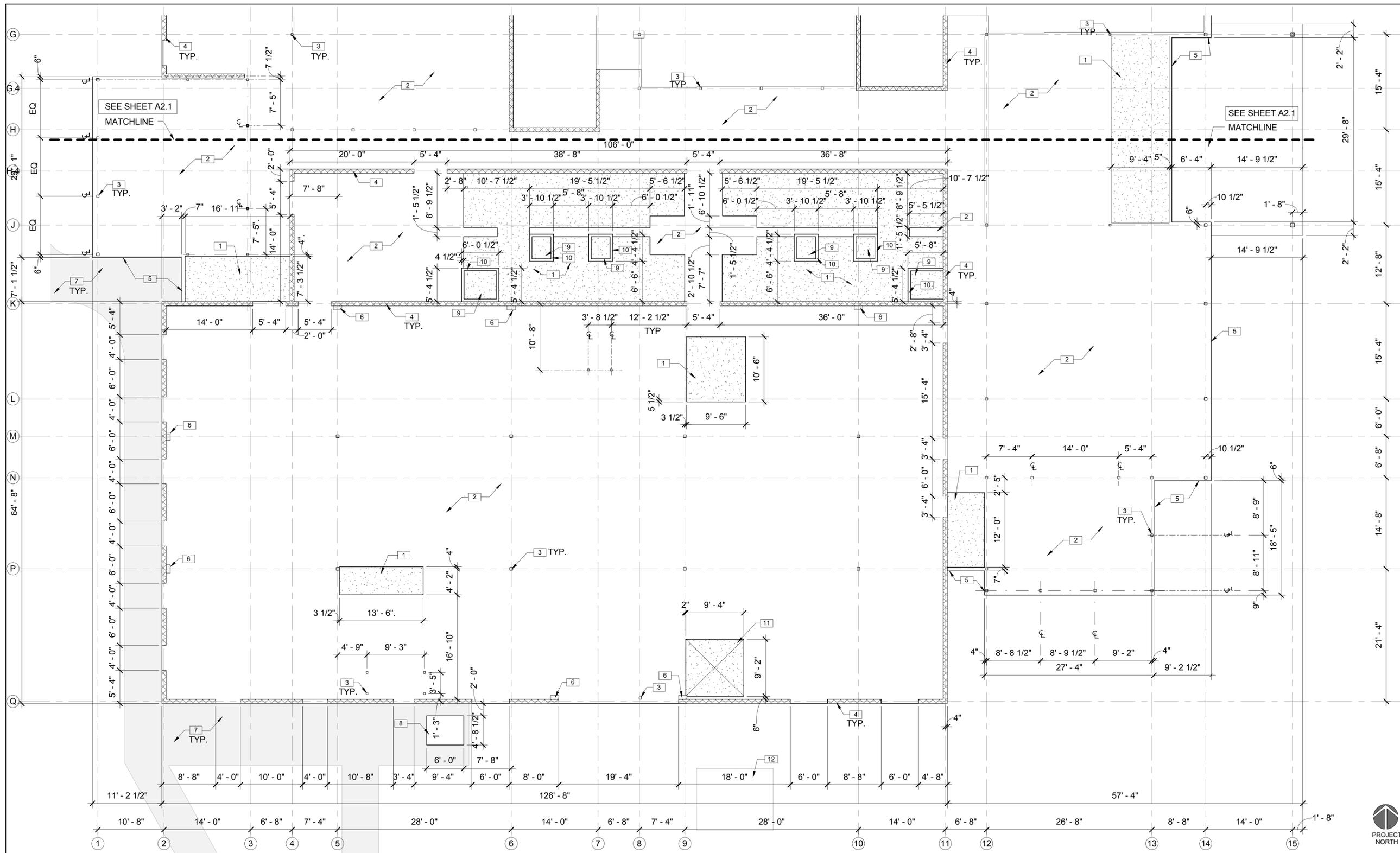
DRYDEN FLIGHT RESEARCH CENTER
EDWARDS, CA

DRAWING TITLE
NORTH SEGMENT SLAB PLAN

PROJECT TITLE
FACILITIES SUPPORT CENTER BUILDING
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Chief, Facilities Engineering	<i>Dan Crowley</i>	4/14/11
Project Requestor / Custodian	<i>Dan Crowley</i>	4/14/11
Facilities Project Manager	<i>Gemma Flores</i>	4/14/11
Chief, Office of Protective Services	<i>John Zellmer</i>	4/14/11
Chief - Safety, Health, and Environmental	<i>Dan Mullen</i>	4/14/11
BERC Chief Information Officer	<i>Ken Norlin</i>	4/14/11

DATE STRD	11/04/10	DATE PRNTD	03/14/11
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FILE NAME	A2.1	SHEET No.	38 of 193



- KEYNOTES:**
- 1 DEPRESS SLAB 3/4"
 - 2 CONCRETE SLAB ON GRADE
 - 3 STEEL COLUMN - SEE STRUCTURAL DRAWINGS
 - 4 BURNISHED 8" CMU WALL
 - 5 EDGE OF SLAB
 - 6 CONCRETE COLUMN, SEE STRUCTURAL DRAWINGS
 - 7 CONCRETE SIDEWALK, SEE CIVIL DRAWINGS ON PAVEMENT PLAN
 - 8 6" HIGH CONCRETE PAD FOR MECHANICAL EQUIPMENT, COORDINATE WITH APPROVED SUBMITTAL
 - 9 DEPRESS SLAB 2" FOR SHOWER AREA
 - 10 4" HIGH CONCRETE CURB AROUND SHOWER BASE
 - 11 COORDINATE SLAB DEPRESSION DIMENSIONS WITH APPROVED MATERIAL LIFT SUBMITTAL
 - 12 RECLAIM WATER EQUIPMENT, SEE PLUMBING DRAWINGS
- NOTE:
REFER TO STRUCTURAL DRAWINGS FOR SLAB JOINT LOCATIONS

SOUTH SEGMENT SLAB PLAN

SCALE: 1/8" = 1'-0"
A2.0 A2.2

- LEGEND:**
- SLAB DEPRESSION
 - CMU, PER STRUCTURAL
 - MATCHLINE
 - CONCRETE SIDEWALK, SEE CIVIL DWG'S



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