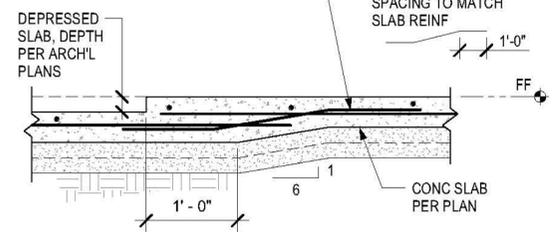
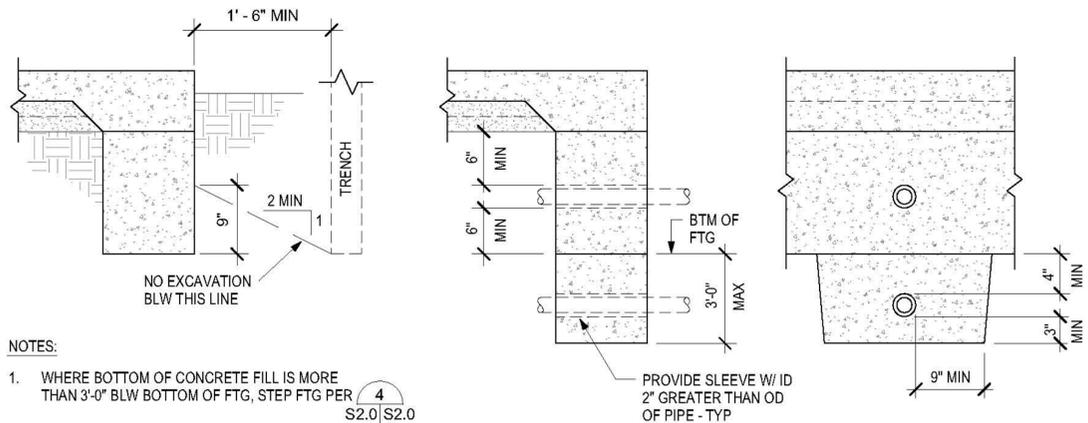


**MIN DAYLIGHT REQUIREMENTS** SCALE: 1" = 1'-0" 10/ S2.0

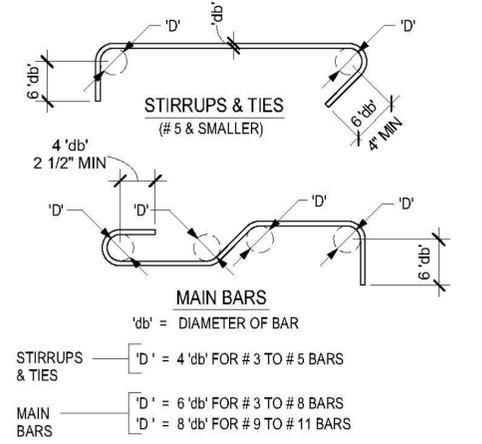


**DEPRESSED SLAB** SCALE: 1" = 1'-0" 7/ S2.0

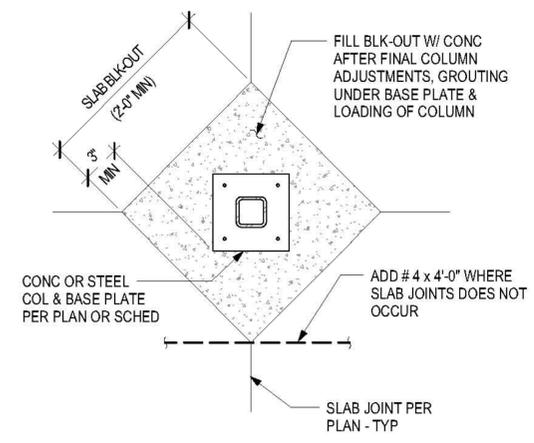


- NOTES:**
- WHERE BOTTOM OF CONCRETE FILL IS MORE THAN 3'-0" BLW BOTTOM OF FTG, STEP FTG PER  $\frac{4}{S2.0} \frac{4}{S2.0}$
  - PLACE CONC FILL AROUND SLEEVE BEFORE POURING CONT FTG. FILL SHALL BE SAME WIDTH AS CONT FTG AND FULL WIDTH OF PIPE TRENCH
  - AT MULTIPLE PIPES, THE MINIMUM CENTER-TO-CENTER SPACING SHALL BE (3) SLEEVE DIAMETERS

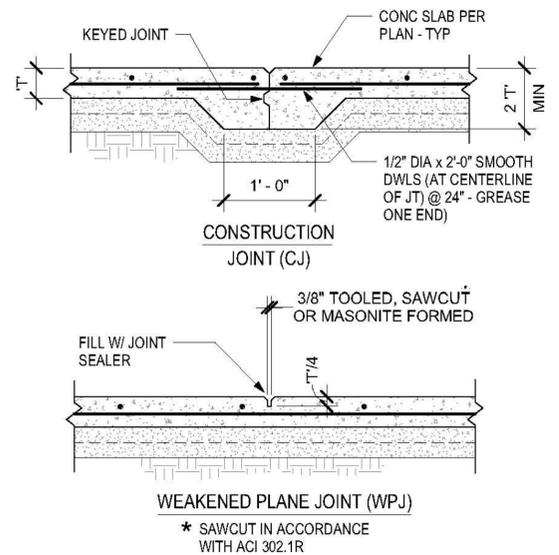
**PIPING AT FOOTINGS** SCALE: 1" = 1'-0" 3/ S2.0



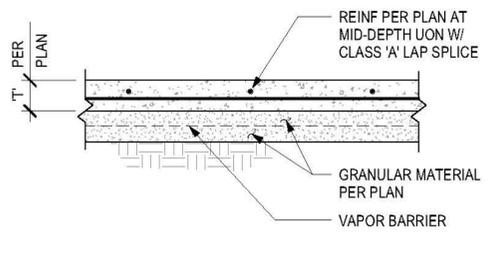
**REINFORCING BAR BENDS** SCALE: 1" = 1'-0" 1/ S2.0



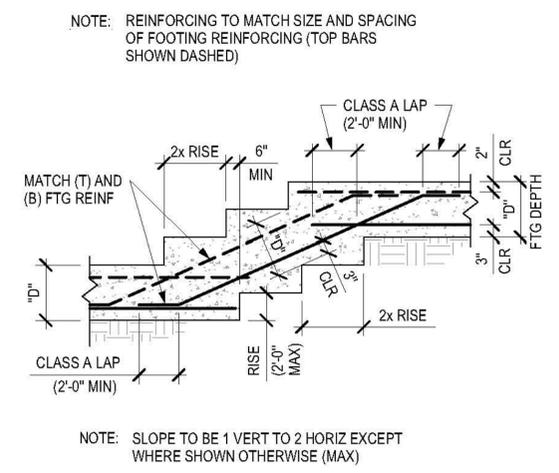
**SLAB BLOCKOUT AT COLUMNS** SCALE: 1" = 1'-0" 11/ S2.0



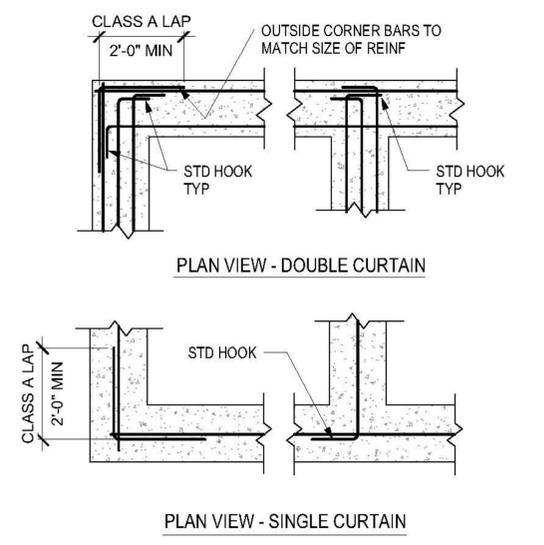
**SLAB JOINTS** SCALE: 1" = 1'-0" 8/ S2.0



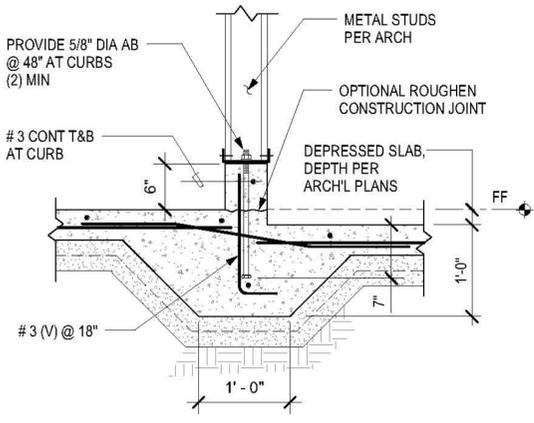
**SLAB/BASE COURSE** SCALE: 1" = 1'-0" 6/ S2.0



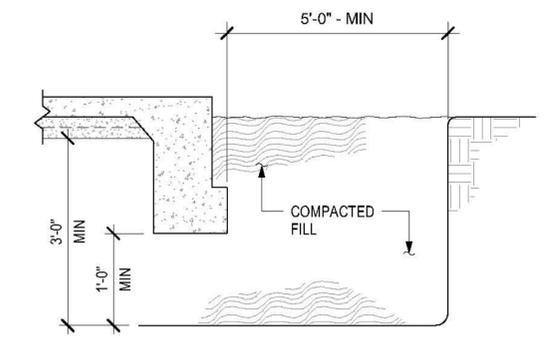
**STEPPED WALL FOOTING** SCALE: 1" = 1'-0" 4/ S2.0



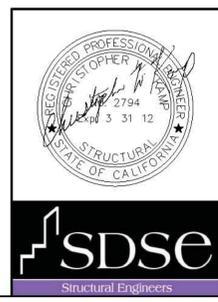
**REINF AT INTERSECTIONS FTGS** SCALE: 1" = 1'-0" 2/ S2.0



**CURB AT METAL STUD WALL** SCALE: 1" = 1'-0" 12/ S2.0



**RECOMPACTION ZONE** SCALE: 1" = 1'-0" 9/ S2.0



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DATE	SYM	REVISION	BY	A/PD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		<b>APPROVALS</b> Chief, Facilities Engineering: <i>Dan Crowley</i> Project Requestor/Customer: <i>Dan Crowley</i> Facilities Project Manager: <i>Geima Flores</i> Chief, Office of Protective Services: <i>John Zellmer</i> Chief, Safety, Health, and Environmental Office: <i>Dan Mullen</i> DERC Chief Information Officer: <i>Ken Norlin</i>	<b>DATE</b> 8-18-11 8-18-11 8-18-11 8-18-11 8-18-11 8-18-11
<b>DRAWING TITLE</b> TYPICAL DETAILS		<b>DATE STRD</b> 10/28/10 <b>DATE PRNTD</b> 5/23/11 <b>DRAWN BY</b> <b>EDM-1703</b> <b>SCALE</b> AS NOTED <b>TRADE</b> SH. No. <b>FILE NAME</b> S2.0 <b>SHEET No.</b> 93 of 195	
<b>PROJECT TITLE</b> 8-18-11 FACILITIES SUPPORT CENTER 100% FINAL DESIGN SUBMITTAL			

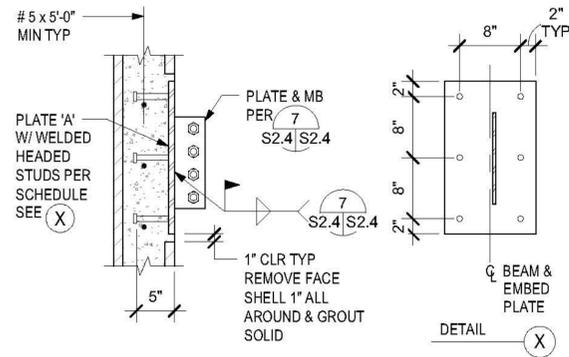
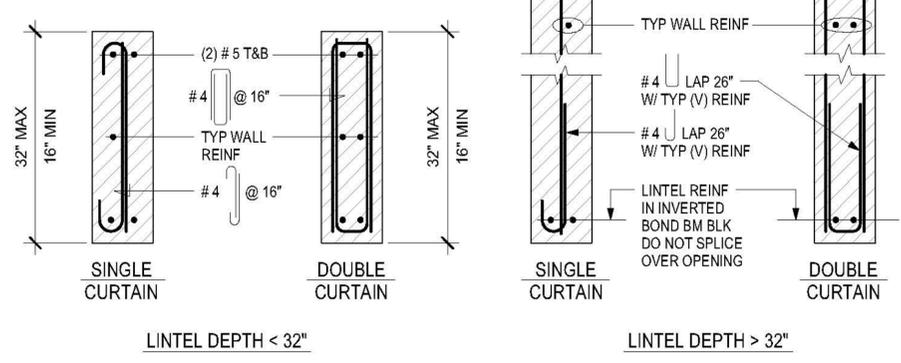
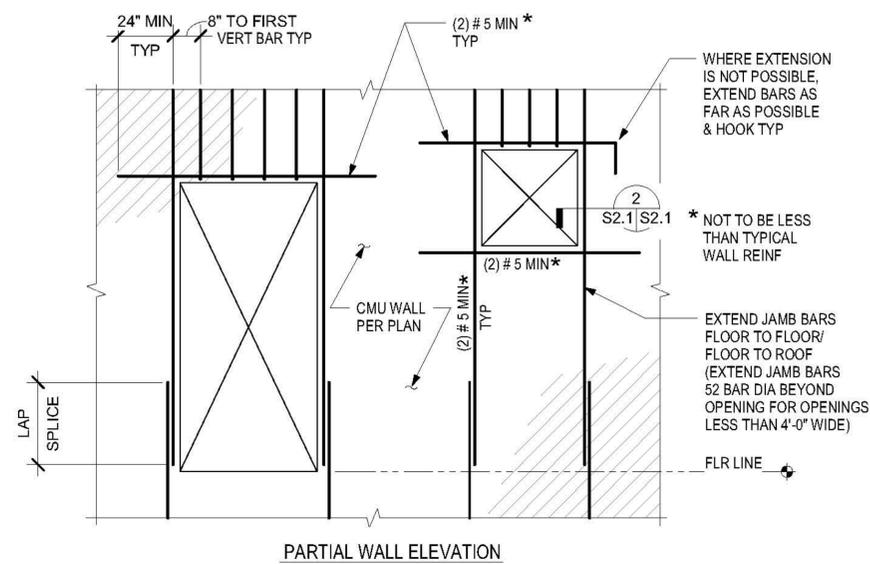
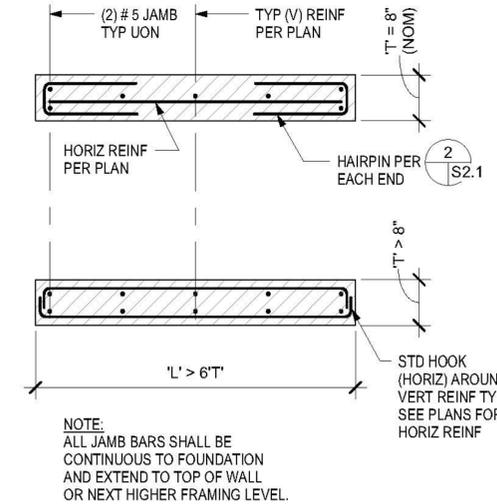
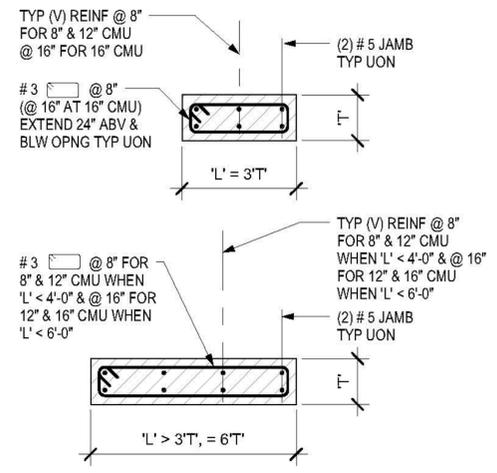


PLATE & STUD ANCHOR SCHEDULE		
BM SIZE	PLATE 'A'	STUD ANCHORS
W 8, 10	PLATE 3/4x12x1'-0"	(4) 3/4" DIA
W 12, 14, 16	PLATE 3/4x12x1'-8"	(6) 3/4" DIA

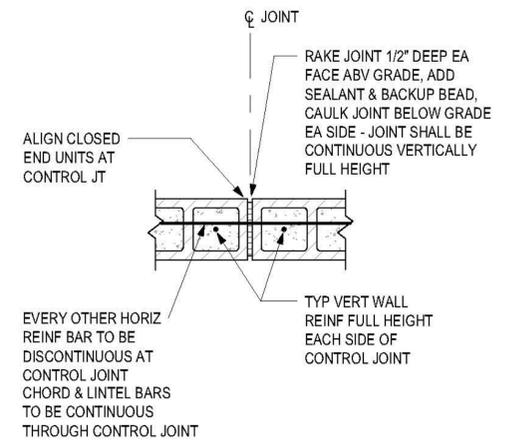
**CAST MASONRY ANCHOR BOLTS** SCALE: 1" = 1'-0" 10 S2.1



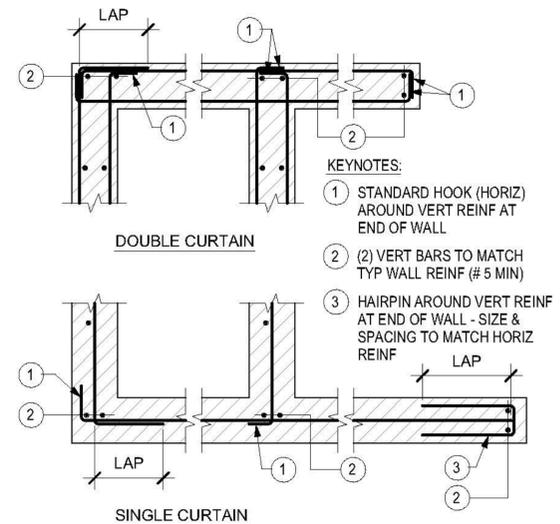
**MIN REINF AT MASONRY WALL OPENINGS < 6'-8" WIDE** SCALE: 1" = 1'-0" 6 S2.1



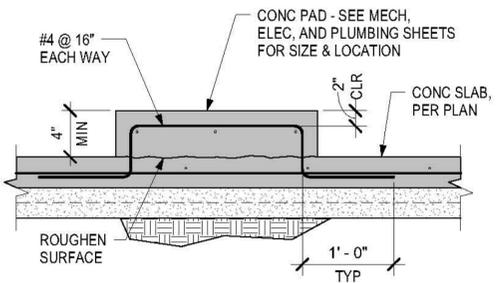
**MASONRY WALL/PIER REINF** SCALE: 1" = 1'-0" 4 S2.1



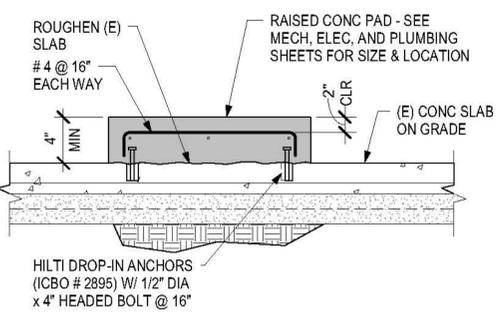
**MASONRY CONTROL JOINT (MCJ)** SCALE: 1" = 1'-0" 1 S2.1



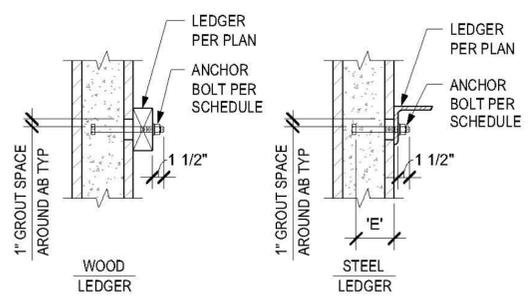
**INTERSECTIONS OF CMU WALLS** SCALE: 1" = 1'-0" 2 S2.1



**TYP HOUSEKEEPING PAD 1** SCALE: 1" = 1'-0" 11 S2.1

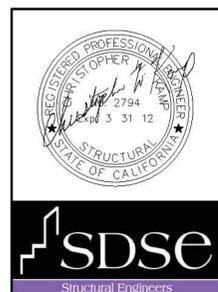


**HOUSEKEEPING PAD** SCALE: 1" = 1'-0" 12 S2.1



HEADED ANCHOR BOLT	EMBED 'E' MIN		
	8" BLK	10" BLK	12" BLK
1/2" DIA	5"	7"	7"
5/8" DIA	5"	7"	7"
3/4" DIA	5"	7"	7"
7/8" DIA	-	-	8"

**CAST ANCHOR BOLTS - LEDGER** SCALE: 1" = 1'-0" 9 S2.1

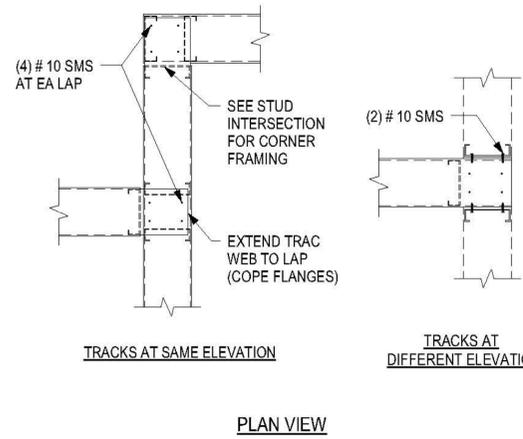


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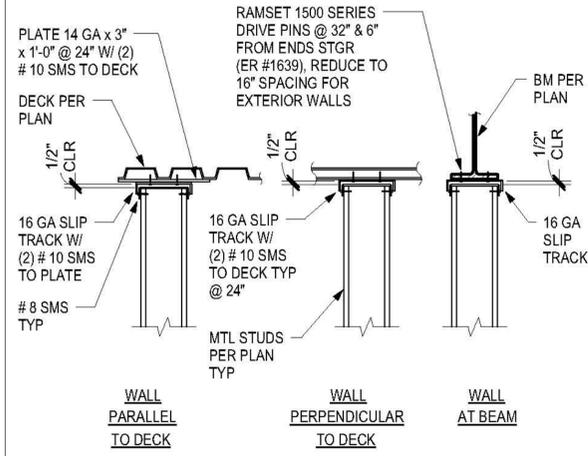
<p>NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA</p>	<p><b>APPROVALS</b></p> <p>Chief, Facilities Engineering: <i>Dan Crowley</i> 8-18-11          Project Requestor/Custom: <i>Dan Crowley</i> 8-18-11          Facilities Project Manager: <i>Gemma Flores</i> 8-18-11          Chief, Office of Protective Services: <i>John Zellmer</i> 8-18-11          Chief, Safety, Health, and Environmental Office: <i>Dan Mullen</i> 8-18-11          PERC Chief Information Officer: <i>Ken Norlin</i> 8-18-11</p>		<p>DATE</p>
	<p>DRAWING TITLE</p> <p>TYPICAL DETAILS</p>		<p>DATE STRD 11/01/10 DATE PRNTD 5/23/11</p> <p>DRAWN BY</p> <p>SCALE AS NOTED TRADE SH. No. EDM-1703</p> <p>FILE NAME S2.1 SHEET No. 94 of 195</p>
<p>PROJECT TITLE</p> <p>8-18-11 FACILITIES SUPPORT CENTER 100% FINAL DESIGN SUBMITTAL</p>		<p>DATE</p>	





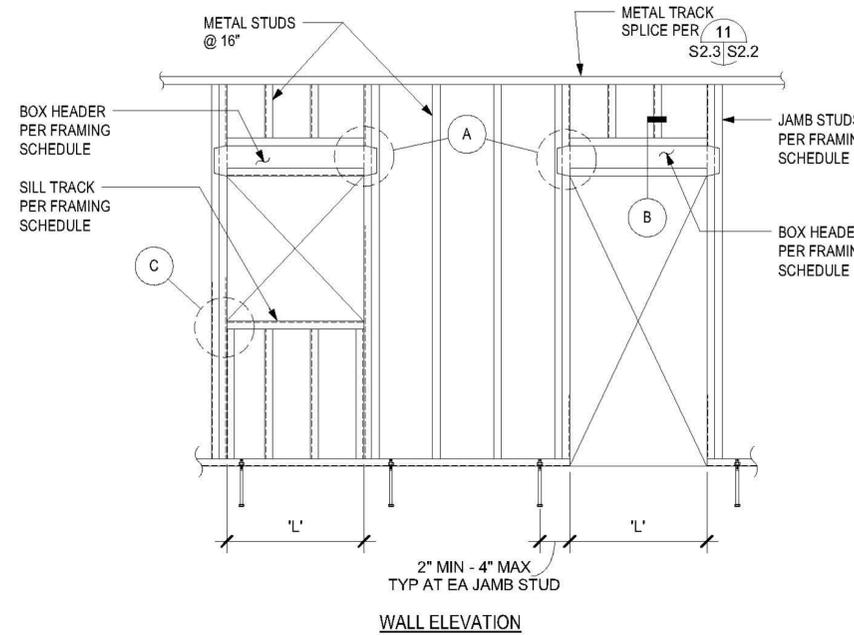
TOP TRACK INTERSECTION

SCALE: 1" = 1'-0" 10 S2.3

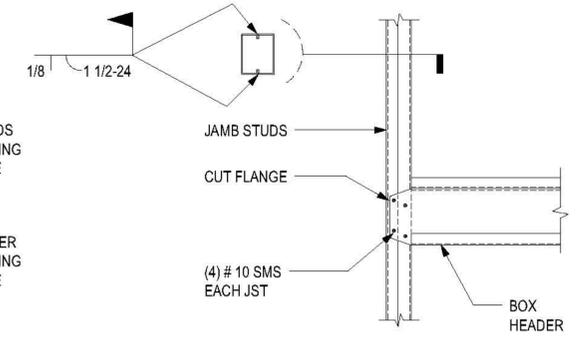


TOP TRACK CONNECTION

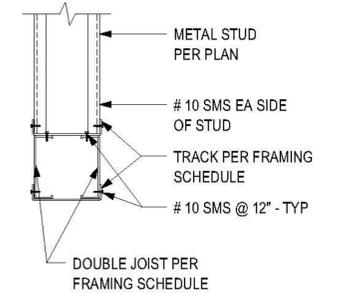
SCALE: 1" = 1'-0" 7 S2.3



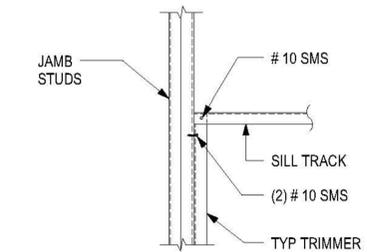
WALL ELEVATION



A HEADER CONNECTION



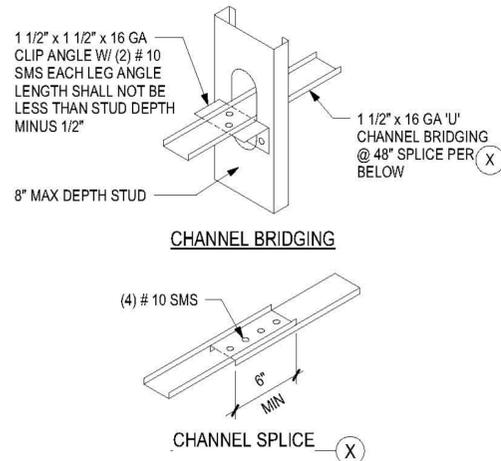
B BOX HEADER



C SILL CONNECTION

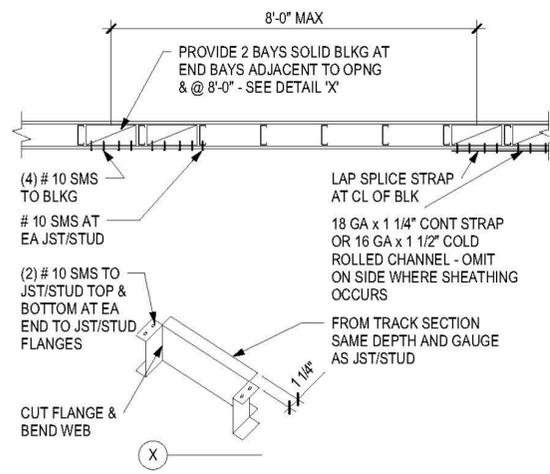
WALL TYPE	SPAN LENGTH 'L'	BOX HEADER		JAMB STUDS	NO. # 10 WAFER HEAD SMS AT EA JST TO JAMB
		DBL JST	TRACK		
2 1/2" STUDS	0" TO 8'-0"	2 - 600S162-43	2 - 250T125-33	250S137-33	4
3 5/8" STUDS	0" TO 6'-0"	2 - 362S137-33	2 - 362S137-33	2 - 362S137-33	4
	6'-1" TO 10'-0"	2 - 600S137-33	2 - 362S137-33	2 - 362S137-33	4
4" STUDS	0" TO 10'-0"	2 - 600S162-43	2 - 400T125-43	2 - 400S162-43	4
	0" TO 6'-0"	2 - 600S162-43	2 - 600T125-43	2 - 600S162-43	4
6" STUDS	0" TO 10'-0"	2 - 600S162-54	2 - 600T125-54	2 - 600S162-54	4
	10'-1" TO 12'-0"	2 - 600S162-68	2 - 600T125-54	2 - 600S162-68	4
8" STUDS	10'-1" TO 12'-0"	2 - 800S162-68	2 - 800T125-54	2 - 800S162-68	4

- NOTES:
- METAL STUD WALL FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH ER #4943P, WORK WITH 6 S2.2 S2.3
  - FOR WALL BRIDGING, SEE 11 S2.3 S2.3



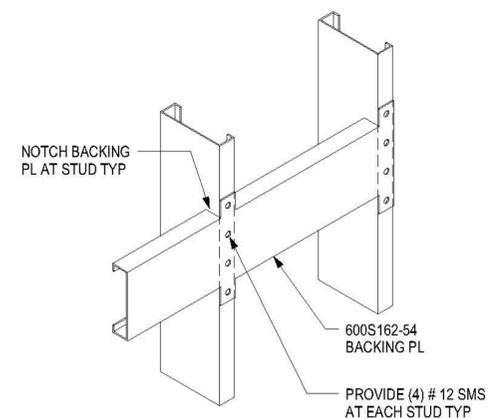
CHANNEL BRIDGING/SPLICE

SCALE: 1 1/2" = 1'-0" 11 S2.3



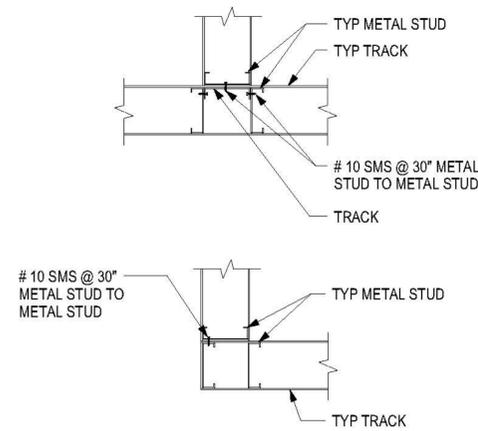
BLOCKING/BRIDGING

SCALE: 1/2" = 1'-0" 8 S2.3



BACKING PLATE

SCALE: 1 1/2" = 1'-0" 12 S2.3



STUD INTERSECTION

SCALE: 1" = 1'-0" 9 S2.3

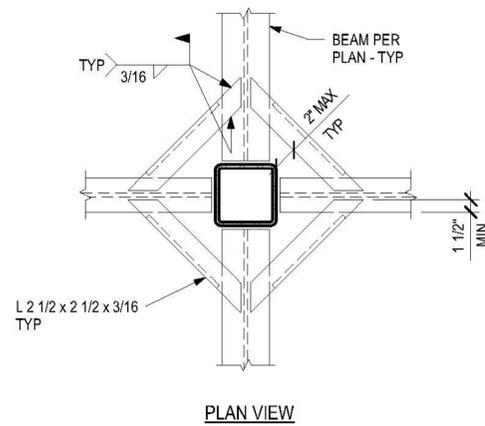


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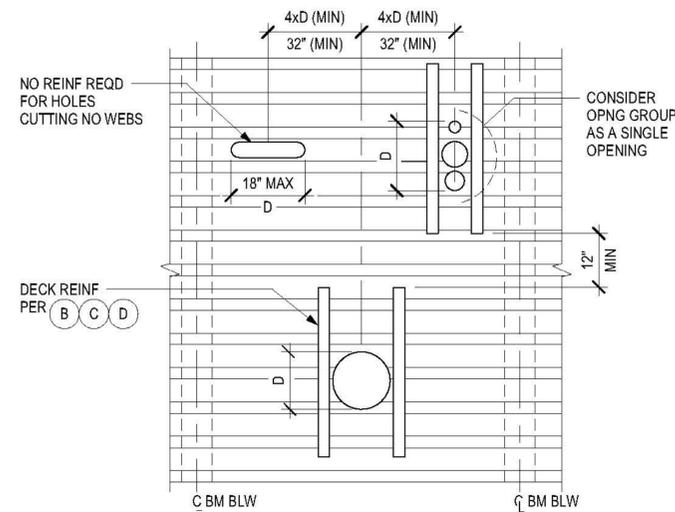
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		<b>APPROVALS</b> Chief, Facilities Engineering: <i>Dan Crowley</i> 8-18-11 Project Requestor/Customer: <i>Dan Crowley</i> 8-18-11 Facilities Project Manager: <i>Gemma Flores</i> 8-18-11 Chief, Office of Protective Services: <i>John Zellmer</i> 8-18-11 Chief - Safety, Health, and Environmental Office: <i>Dan Mullen</i> 8-18-11 PERC Chief Information Officer: <i>Ken Norlin</i> 8-18-11	<b>DATE</b> 8-18-11
DRAWING TITLE TYPICAL DETAILS		PROJECT TITLE 8-18-11 FACILITIES SUPPORT CENTER 100% FINAL DESIGN SUBMITTAL	
DATE STRD 11/09/10	DATE PRNTD 5/23/11	SHEET No. 96 of 195	
DRAWN BY SCALE AS NOTED TRADE SH. No. FILE NAME S2.3	EDM-1703		



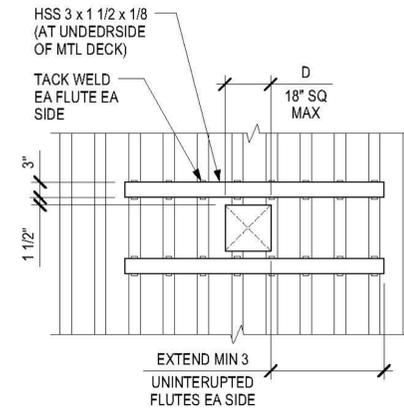


DECK SUPPORT AT COLUMN

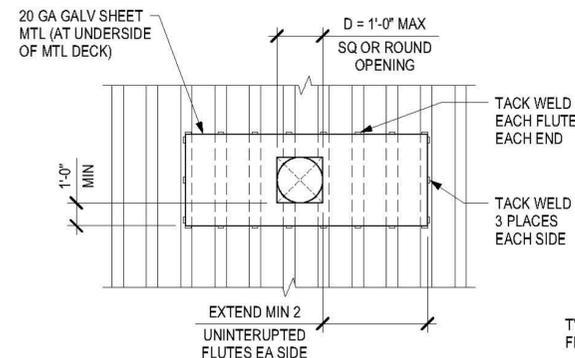
SCALE: 1" = 1'-0" 10 S2.5



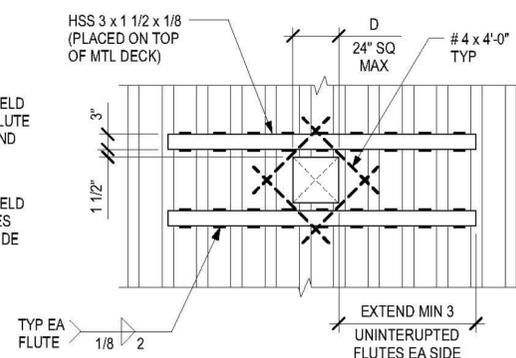
A HOLES CUTTING FOR NO MORE THAN 3 ADJACENT WEBS FOR ROOF OR FLOOR DECK



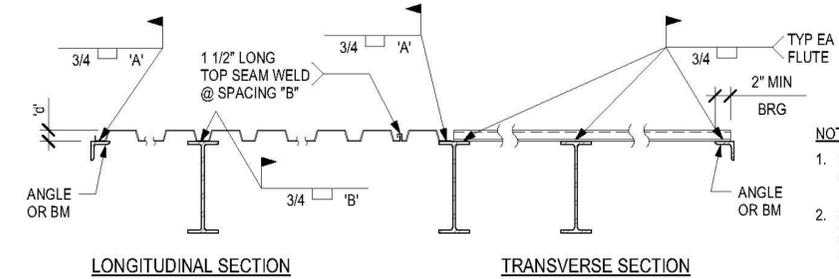
B DECK WITHOUT CONCRETE TOPPING



C DECK WITH OR WITHOUT CONCRETE TOPPING



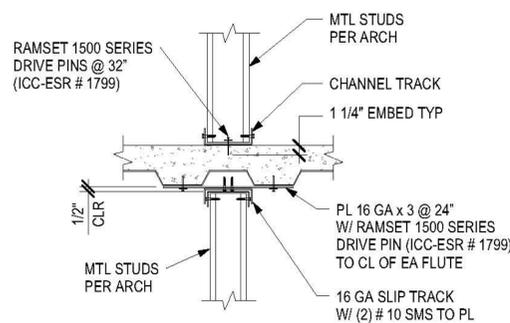
D DECK WITH CONCRETE TOPPING



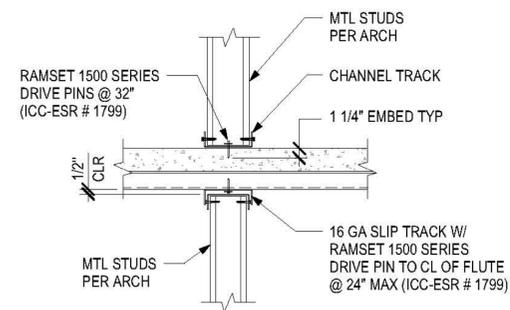
DECKING	MIN. SECTION PROPERTIES	SPACING		REMARKS
		'A'	'B'	
1 1/2"	20	12"	18"	TYPE A
1 1/2"	20	12"	12"	TYPE B

NON-COMPOSITE DECK WELDING

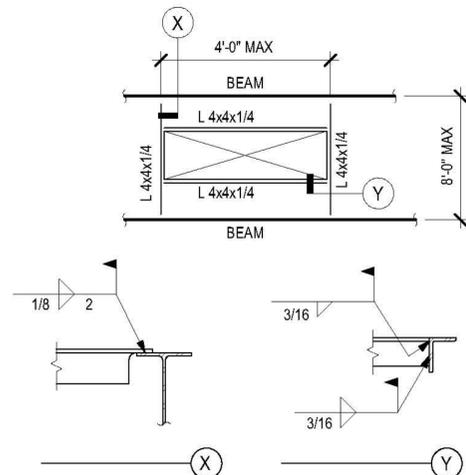
SCALE: 1" = 1'-0" 1 S2.5



WALL PARALLEL W/ DECK FLUTES



WALL PERPENDICULAR TO DECK FLUTES

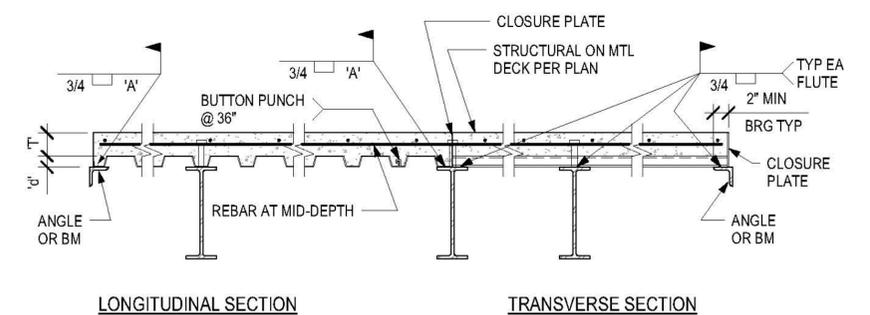


SUPPORT AT LARGE OPENINGS

SCALE: 1" = 1'-0" 9 S2.5

DECK SUPPORT AT SMALL OPENINGS

SCALE: 1" = 1'-0" 6 S2.5



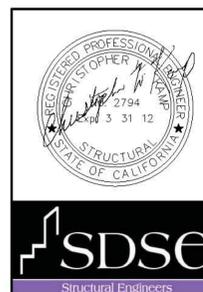
DECKING	CONCRETE TOPPING	MIN. SECTION PROPERTIES			SPACING		REMARKS
		I (IN <sup>4</sup> )	+ S (IN <sup>3</sup> )	- S (IN <sup>3</sup> )	'A'	'B'	
2"	3 1/2"	0.423	0.361	0.370	12"		NORMAL WEIGHT CONCRETE TOPPING

COMPOSITE DECK WELDING

SCALE: 1" = 1'-0" 2 S2.5

TRACK CONNECTION AT DECK

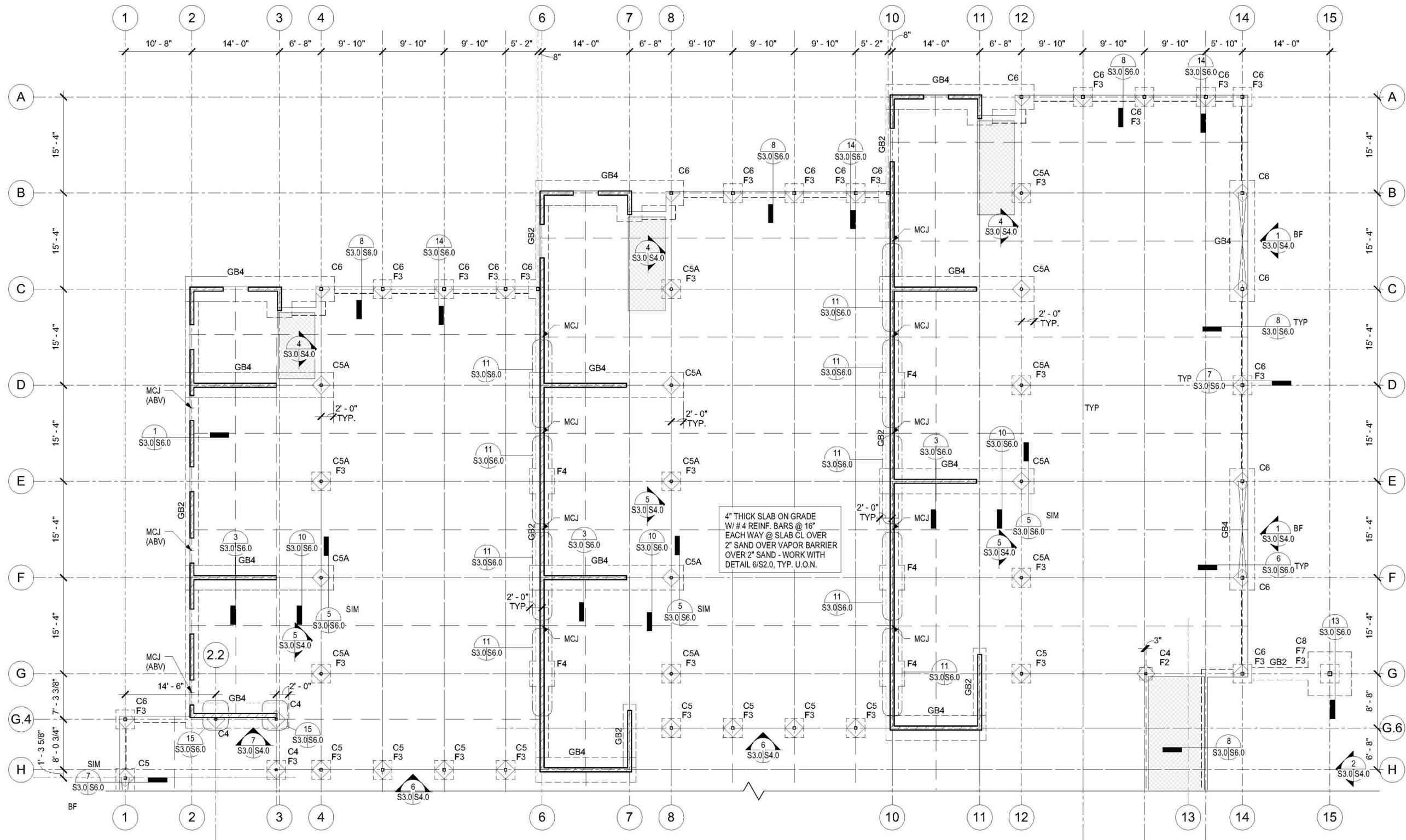
SCALE: 1" = 1'-0" 12 S2.5



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DATE	SYM	REVISION	BY	A/PD

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		<b>APPROVALS</b> Chief, Facilities Engineering and Support Office DAN CROWLEY Project Requestor/Custodian DAN CROWLEY Facilities Project Manager GEMMA FLORES Chief, Office of Protective Services JOHN ZELLNER Chief - Safety, Health, and Environmental Office DAN MULLIN BREC Chief Information Officer KEN NORLIN	<b>DATE</b> 8-18-11 8-18-11 8-18-11 8-18-11 8-18-11 8-18-11
<b>DRAWING TITLE</b> TYPICAL DETAILS		<b>PROJECT TITLE</b> 8-18-11 FACILITIES SUPPORT CENTER 100% FINAL DESIGN SUBMITTAL	
<b>DATE STRD</b> 11/10/10	<b>DATE PRNTD</b> 5/23/11	<b>EDM-1703</b>	
<b>SCALE</b> AS NOTED	<b>TRADE</b> SH No.	<b>SHEET No.</b> 98 of 195	

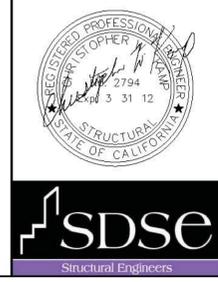


FOOTING SCHEDULE			
MARK	SIZE	THICKNESS	REINFORCEMENT
F2	2'-0" x 2'-0"	1'-6"	(3) - # 5 EA. WAY BOT.
F3	3'-0" x 3'-0"	1'-6"	(4) - # 5 EA. WAY BOT.
F4	4'-0" x 4'-0"	1'-6"	(4) - # 6 EA. WAY BOT.
F7	7'-0" x 7'-0"	2'-0"	(6) - # 7 EA. WAY T&B.

**NOTE:**  
SEE SHEET S3.1 FOR LEGEND AND ADDITIONAL NOTES

GRADE BEAM SCHEDULE				
MARK	WIDTH	THICKNESS	REINFORCEMENT	TIES
GB2	2'-0"	1'-6"	(3) - # 5 CONT. T&B	
GB2.5	2'-6"	1'-6"	(3) - # 5 CONT. T&B	
GB3	3'-0"	1'-6"	(4) - # 5 CONT. T&B	# 3 @ 12"
GB4	4'-0"	2'-0"	(4) - # 6 CONT. T&B	# 3 @ 12"

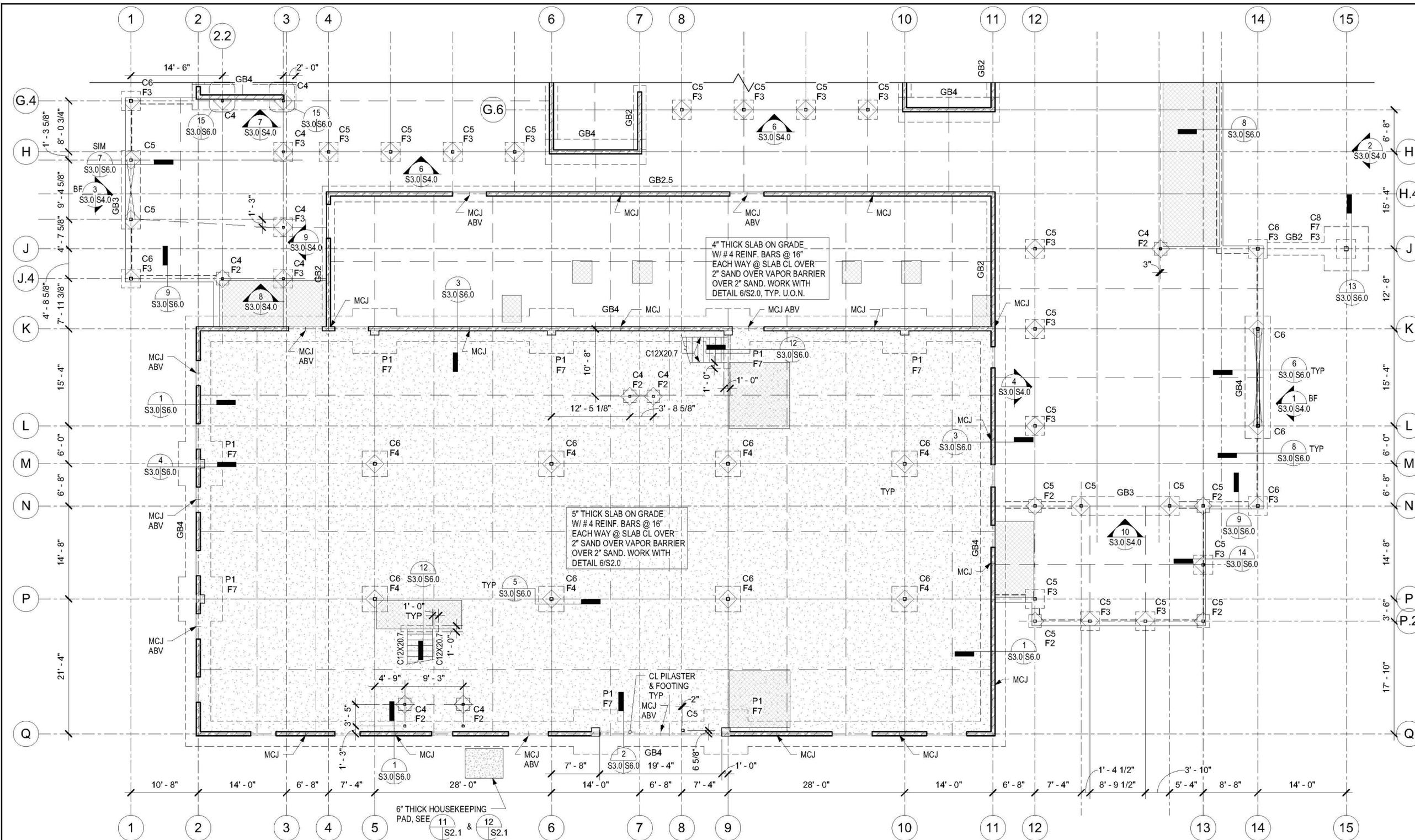
COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE	ANCHOR BOLTS	GROUT
C4	HSS 4 x 4 x 1/4	3/4" x 10" x 10"	(4) 3/4" DIA. HEADED	1 1/2" NON-SHRINK
C5	HSS 5 x 5 x 1/4	3/4" x 10" x 10"	(4) 3/4" DIA. HEADED	1 1/2" NON-SHRINK
C5A	5" STD. PIPE	3/4" x 10" x 10"	(4) 3/4" DIA. HEADED	1 1/2" NON-SHRINK
C6	HSS 6 x 6 x 1/2	3/4" x 12" x 12"	(4) 3/4" DIA. HEADED	1 1/2" NON-SHRINK
C8	HSS 8 x 8 x 1/2	3/4" x 14" x 14"	(4) 3/4" DIA. HEADED	1 1/2" NON-SHRINK
P1	16" SQ. CMU	SEE 4/S6.0 FOR ADDITIONAL INFO		



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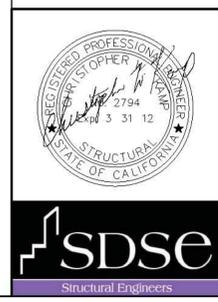
<b>NORTH FOUNDATION PLAN</b>		SCALE: 1/8" = 1'-0"																		
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		APPROVALS																		
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- FOUNDATION NOTES:**
- ALL ELEVATIONS PER ARCH DRAWINGS
  - SEE TYPICAL DETAILS FOR TYPICAL CONDITIONS NOT INDICATED ON PLANS
  - NON-BRG/NON-SHEAR WALLS TO BE 6" x 20 GA MIN. WORK W/ 9 & ARCH DRAWINGS  
S3.1/S2.2
  - SEE SHEET S3.0 FOR FOOTING, GRADE BEAM AND COLUMN SCHEDULES

- LEGEND:**
- GB-1 GRADE BEAM MARK - SEE SCHED SHEET S3.0
  - WPJ SLAB ON GRADE JOINTS @ 10'-0" MAX. WORK W/ 8 S3.1/S2.0
  - 8" CMU SHEAR WALL W/ # 5 @ 24" VERT & # 4 @ 24" HORIZ - SOLID GROUTED
  - DEPRESSED SLAB PER ARCH WORK W/ 7 & 12 S3.1/S2.0 S3.1/S2.0
  - MCJ MASONRY CONTROL JOINT PER 1 S3.0/S2.1
  - BF BRACED FRAME ELEVATION
  - ROOF COLLECTOR OR TRUSS ELEVATION

**SOUTH FOUNDATION PLAN** SCALE: 1/8" = 1'-0" 1/S3.1



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<b>NATIONAL AERONAUTICS AND SPACE ADMINISTRATION</b> DRYDEN FLIGHT RESEARCH CENTER EDWARDS, CA		<b>APPROVALS</b>		<b>DATE</b>	
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