

A FLOOR PLAN
A1 1/4"=1'-0"

- SHEET NOTES -**
- 1 (2) 8'x4' MARKER BOARDS
 - 2 EXIT TACTILE SIGN PER DETAIL 10/AD (BY OWNER)
 - 3 CLASSROOM ID & ISA PER DETAIL 5 & 9/AD (BY OWNER)
 - 4 FIRE EXTINGUISHER @ 48" A.F.F. TO MOUNTING BRACKET AND THE BOTTOM OF F.E MOUNTED 27" A.F.F WITH ZAIQBC UL RATING.
 - 5 TYP MOD LINE
 - 6 HVAC UNIT
 - 7 ELECTRICAL PANEL
 - 8 DOWNSPOUT
 - 9 CARPET
 - 10 FLOOR LIVE LOAD SIGN PER 1603A.3 2007 CBC (BY OWNER)
 - 11 BASE CABINETS
 - 12 SHADE STRUCTURE PER SHEET S4B
 - 13 INTERIOR DOOR WITH HALF LITE
 - 14 6'x4' FLOOR MATT
 - 15 FIRE SPRINKLER RISER

- GENERAL NOTES -**
1. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER CBC 1008.1.9
 2. IF OCCUPANCY LOAD EXCEEDS 50 PROVIDE A SECOND EXIT DOOR PER CBC TABLE 1015.1
 3. PROVIDE OCCUPANT LOAD SIGN (BY OWNER) CAPACITY POSTING PER CBC SECTION 1004.3 TITLE 19 C.C.R. SECTION 3.3.0. THIS ROOM SHALL BE POST WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM.

- 1 1/2"Ø WATER P.O.C. STUB DOWN 5" BELOW F.F. FINAL CONNECTION BY OTHERS
- 2 2"Ø WASTE P.O.C. STUB DOWN 5" BELOW F.F. FINAL CONNECTION BY OTHERS

SYMBOL SCHEDULE

#	DOOR (REFER TO SHEET A3 FOR TYPES)
X	DOOR HARDWARE TYPE REFER TO DOOR HARDWARE SCHEDULE
A	WINDOW (REFER TO SHEET A3 FOR TYPES)

DOOR HARDWARE TYPE SCHEDULE

A	EXTERIOR DOOR LOCKSET 35A-NL-CD 626 PANIC BAR
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Exterior Door:
 A) Hinges: Hager 4-1/2X4-1/2 butts, BB1278 US260, 1-1/2 pair each door with set screw in barrel and ball bearing design
 C) Closer: Norton 8500DA or 8500DF series, LCN 1460 Del series or equal, (5 lbs. max. pressure) (15 lbs. max. per fire doors)
 D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra W5007, at door jams and head or equal.
 E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.

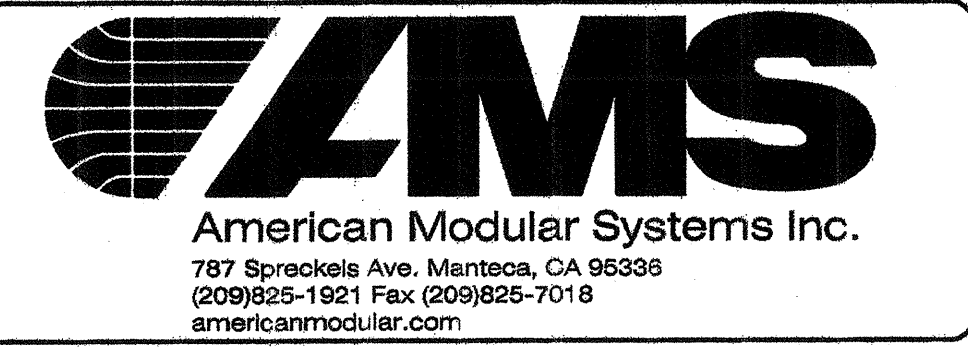
REVISIONS

NO	DATE	DESCRIPTION
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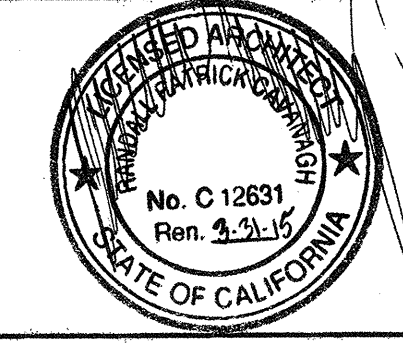
DATE: 02-23-11
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 GLENDALE UNIFIED SCHOOL DISTRICT
 KEPPEL ELEMENTARY SCHOOL

40' x 32' GENERATION 7 PREFABRICATED BUILDINGS
 FLOOR PLAN

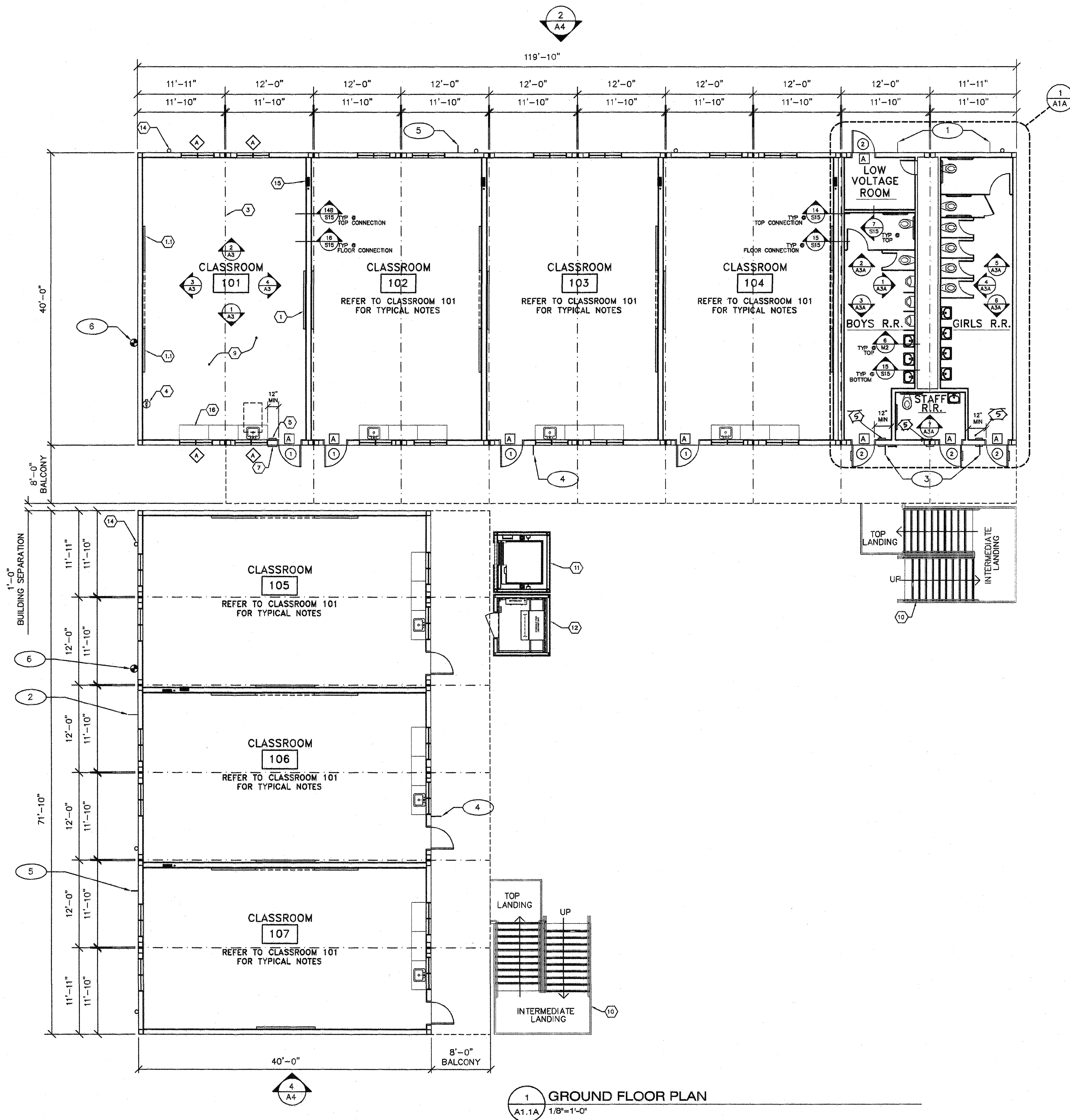


APPROVALS:



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPR 1 1 3 8 2 8
 AC/PL FLSC/PLSS
 DATE JUL 18 2011

PROJECT No.
A1



- P.O.C. KEY NOTES -
- 1 2" WATER P.O.C. STUBBED OUT @ 22" BELOW F.F.
 - 2 3/4" WATER P.O.C. STUBBED OUT @ 22" BELOW F.F.
 - 3 4" WASTE P.O.C. STUBBED OUT @ 22" BELOW F.F.
 - 4 3" WASTE P.O.C. STUBBED OUT @ 22" BELOW F.F.
 - 5 GAS LINE P.O.C. STUBBED OUT @ 18" ABOVE F.F.
 - 6 FIRE SPRINKLER RISER

- SHEET NOTES -
- 1 8'x4' MARKER BOARDS
 - 1.1 6'x4' MARKER BOARDS
 - 2 UTILITY CHASE WALL
 - 3 TYP. MOD. LINE
 - 4 FIRE EXTINGUISHER TOP OF BRACKET @ +48" AFF
 - 5 EXIT TACTILE SIGN @ FIRST FLOOR PER DETAIL 10/A6 (NIC) BY DISTRICT
 - 6 "EXIT STAIRS DOWN" TACTILE EXIT SIGN @ SECOND FLOOR SIM TO DETAIL 10/A6 (NIC) BY DISTRICT
 - 7 CLASSROOM ID # PER DETAIL 5/A6 & 9/A6 BY DISTRICT
 - 8 ACCESS DOOR
 - 9 FLOORING
 - 10 STAIRS REFER TO SHEET S18 FOR DETAILS
 - 11 * ELEVATOR PC 02-109579
 - 12 * ELEVATOR CONTROLLER ROOM PER PC 02-109579
 - 13 OCCUPANT LOAD SIGN PER DETAIL 16/A6 (NIC)
 - 14 DOWNSPOUT
 - 15 ELECTRICAL PANEL
 - 16 BASE CABINETS
- * ELEVATOR & CONTROLLER ROOM ARE NOT PART OF THIS APPROVAL

DOOR HARDWARE SCHEDULE

A	EXTERIOR DOOR LOCKSET SOHLAGE N070PD W/ LEVER RHODES
<p>Exterior Door</p> <p>A) Hinges: Heger 4-1/2x4-1/2 butts, BB1279 US260, 1-1/2 pair each door with set screw in barrel and ball bearing design</p> <p>C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal. (5 lbs. max. pressure)</p> <p>D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 2990, Ultra W5007, at door jams and head or equal.</p> <p>E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.</p>	

- SHEET NOTES -
- # DOOR (REFER TO SHEET A2 FOR TYPES)
 - # WINDOW (REFER TO SHEET A2 FOR TYPES)

1 GROUND FLOOR PLAN
A1.1A 1/8"=1'-0"

REVISIONS

NO.	DATE	DESCRIPTION
1	06/29/06	
2		
3		
4		

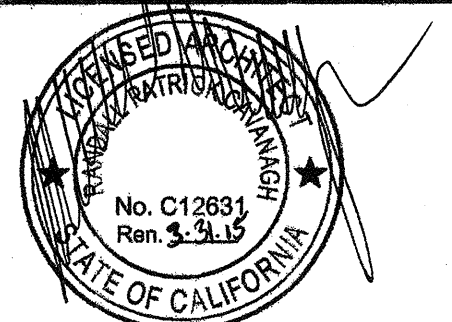
DATE: 02-23-11
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

120' x 40' AND 72' x 40' 2 STORY BUILDING
GROUND FLOOR PLAN

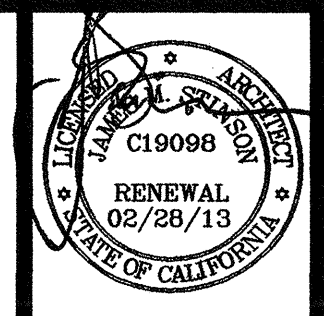


APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 03 11 3 8 2 8
AC 111 FLS 1000
DATE JUL 11 2011

PROJECT NO.
A1



REGISTRATION STAMP
 DAN BEHAR ARCHITECT
 APR 11 11 3 2 8
 AC/PL/PS/CH/SS
 DATE JUL 16 2011

NO.	REVISION

PSWC Group
 ARCHITECTURE
 PLANNING
 DESIGN
 1887 BUSINESS CENTER DRIVE SUITE 3
 SAN BERNARDINO, CA 92408
 TEL: 909.890.2333 FAX: 909.890.2444

**KEPPEL ELEMENTARY SCHOOL
 2 STORY CLASSROOM ADDITION
 GLENDALE UNIFIED SCHOOL DISTRICT**
 700 GLENWOOD RD., GLENDALE, CA 91201

SITE DEMO PLAN
 SCALE: 1"=20'-0"

JOB NO. 1074
 DRAWN BY DAN BEHAR
 DATE 01-31-11
A-1.0

- LANDSCAPE
 - 1. PLANTING
 - 2. TURF & IRRIGATION
 - 3. TREE
 - 4. TREE W/ CONCRETE CURB
 - 5. DIRT
 - 6. A.C. PAVING
 - A. PARKING LOT
 - B. DRIVE WAY
 - C. PLAY AREA. SEE NOTE #1
 - D. CAR DROP-OFF
- PAVING
 - 7. FIRE ACCESS A.C. PAVED SEE NOTE #2
 - 8. CONCRETE SQAULE
 - 9. CONCRETE PAVING
 - 10. NOT USED
 - 11. NOT USED
 - 12. NOT USED
 - 13. NOT USED
 - 14. CONCRETE CURB
 - 15. NOT USED
 - 16. NOT USED
 - 17. NOT USED
- FENCING
 - 18. CONCRETE DRIVEWAY APRON
 - 19. NOT USED
 - 20. NOT USED
 - 21. NOT USED
 - 22. NOT USED
 - 23. CHAINLINK FENCING
 - A. 4'-0" HIGH
 - B. 6'-0" HIGH
 - C. 8'-0" HIGH
 - D. 12'-0" HIGH
 - E. 10'-0" HIGH
 - 24. CHAINLINK GATES:
 - A. 3'-0" WIDE
 - B. 4'-0" WIDE
 - C. 3'-0" FAIR
 - D. 4'-0" FAIR
 - E. 5'-0" FAIR
 - F. 8'-0" FAIR
 - G. 10'-0" FAIR
 - H. 20'-0" SLIDER
 - 25. ACCESSIBLE HANDRAIL
 - 26. ACCESSIBLE STAIRS
 - 27. ACCESSIBLE RAMP PER A" 03-105345
 - 28. NON-ACCESSIBLE RAMP
 - 29. ELEVATED WOOD BRIDGE
 - 30. CMU WALL
 - 31. C.I.P. CONCRETE WALL
 - 32. NOT USED
 - 33. NOT USED
 - 34. NOT USED
 - 35. NOT USED
 - 36. NOT USED
 - 37. NOT USED
 - 38. NOT USED
 - 39. NOT USED
 - 40. NOT USED
 - 41. NOT USED
 - 42. NOT USED
 - 43. NOT USED
 - 44. NOT USED
 - 45. RUBBER SAFETY SURFACE PLAY AREA
 - 46. BALL WALL
 - 47. BACKSTOP
 - 48. BASKETBALL COURT W/ POLE, BACKBOARD - 10' x 4' NET
 - 49. NOT USED
 - 50. MANUFACTURED BENCH
 - 51. NOT USED
 - 52. NOT USED
 - 53. NOT USED
 - 54. NOT USED
- WALLS
 - 32. NOT USED
 - 33. NOT USED
 - 34. NOT USED
 - 35. NOT USED
 - 36. NOT USED
 - 37. NOT USED
 - 38. NOT USED
 - 39. NOT USED
 - 40. NOT USED
 - 41. NOT USED
 - 42. NOT USED
 - 43. NOT USED
 - 44. NOT USED
- ENCLOSURE
 - 36. NOT USED
 - 37. NOT USED
 - 38. NOT USED
 - 39. NOT USED
 - 40. NOT USED
 - 41. NOT USED
 - 42. NOT USED
 - 43. NOT USED
 - 44. NOT USED
- EQUIPMENT
 - 45. RUBBER SAFETY SURFACE PLAY AREA
 - 46. BALL WALL
 - 47. BACKSTOP
 - 48. BASKETBALL COURT W/ POLE, BACKBOARD - 10' x 4' NET
 - 49. NOT USED
 - 50. MANUFACTURED BENCH
 - 51. NOT USED
 - 52. NOT USED
 - 53. NOT USED
 - 54. NOT USED
- PAINTING
 - 55. NOT USED
- SIGNS
 - 61. NOT USED
 - 62. NOT USED
 - 63. NOT USED
 - 64. BOOSTER PUMP
 - 65. 12" STORM DRAIN
 - 66. NOT USED
 - 67. NOT USED
 - 68. NOT USED
 - 69. FIRE HYDRANT
 - 70. NOT USED
 - 71. WATER METER
 - 72. CATCH BASIN - PER CIVIL - GRATE OPENINGS
 - 73. DOUBLE DETECTOR CHECK VALVE
 - 74. NOT USED
- PLUMBING
 - 14. ELECTRICAL ENCLOSURE
 - 15. ELECTRICAL EQUIPMENT
 - 16. COMMUNICATION BOX / UTILITY BOX
 - 17. NOT USED
 - 18. NOT USED
 - 19. NOT USED
 - 20. SITE LIGHTING POLE - SEE ELECTRICAL DRAWINGS
 - 21. NOT USED
 - 22. NOT USED
 - 23. NOT USED
 - 24. NOT USED
 - 25. NOT USED
 - 26. NOT USED
 - 27. STORAGE CONTAINERS. SIZE AS NOTED. CONTRACTOR SHALL BE RESPONSIBLE TO RELOCATE EXISTING BINS PERFORM WORK, AND RELOCATE AGAIN TO PERMANENT LOCATION
- ELECTRICAL
 - 14. ELECTRICAL ENCLOSURE
 - 15. ELECTRICAL EQUIPMENT
 - 16. COMMUNICATION BOX / UTILITY BOX
 - 17. NOT USED
 - 18. NOT USED
 - 19. NOT USED
 - 20. SITE LIGHTING POLE - SEE ELECTRICAL DRAWINGS
 - 21. NOT USED
 - 22. NOT USED
 - 23. NOT USED
 - 24. NOT USED
 - 25. NOT USED
 - 26. NOT USED
 - 27. STORAGE CONTAINERS. SIZE AS NOTED. CONTRACTOR SHALL BE RESPONSIBLE TO RELOCATE EXISTING BINS PERFORM WORK, AND RELOCATE AGAIN TO PERMANENT LOCATION
- MISC.
 - 88. NOT USED
 - 89. RELOCATABLE BUILDING
 - 90. NOT USED
 - 91. ACCESSIBLE RAMP
 - 92. NOT USED
 - 93. KNOX BOX
 - 94. NOT USED
 - 95. NOT USED
 - 96. NOT USED
 - 97. NOT USED
 - 98. GAS METER
 - 99. NOT USED
 - 100. NOT USED
 - 101. NOT USED
 - 102. NOT USED

DEMO NOTES:

- ALL LCU VOLTAGE EQUIPMENT, INCLUDING FIRE ALARM, PUBLIC ADDRESS, TELEPHONE, DATA AND COMMUNICATIONS SYSTEMS, CABLE TV, CAMERA SYSTEMS, AND SECURITY/INTRUSION DETECTION, MAIN HEAD-END EQUIPMENT IN TOTAL SWITCHES, ROUTERS, HUBS, HANDSETS, AMPLIFIERS, RECORDERS, CAMERAS, HEAT AND SMOKE DETECTORS, CAGES AND PROTECTIVE DEVICES, RACKS, AND CABINETS SHALL BE SALVAGED AND RETURNED TO THE DISTRICT MAINTENANCE DEPARTMENT FOR USE AT OTHER SCHOOL SITES THAT MAY ACCOMMODATE THESE SAME SYSTEMS/EQUIPMENT. SEE SHEETS E-14.2 THRU E-14.5 FOR ADDITIONAL DEMO REQUIREMENTS. SEE SHEETS E-14.2 THROUGH E-14.5 FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- ALL MECHANICAL HVAC EQUIPMENT INDICATED TO BE REMOVED SHALL BE INSPECTED BY THE DISTRICT MAINTENANCE DEPARTMENT TO DETERMINE IF ANY CONTROL MECHANISMS, EVAPORATIVE, OR CONDENSING COILS, COMPRESSORS, OR CONTRACTORS NEED TO BE SALVAGED FOR USE AT OTHER DISTRICT SITES THAT MAY ACCOMMODATE THESE SAME SYSTEMS/EQUIPMENT.
- CONTRACTOR SHALL MAINTAIN PERIMETER SECURITY OF SCHOOL SITE AT ALL TIMES. DEMOLITION OF EXISTING FENCES AND INSTALLATION OF NEW FENCES SHALL BE COORDINATED SUCH THAT AT NO TIME WILL THERE BE GAPS OR OPENINGS IN THE PERIMETER FENCING. CONTRACTOR SHALL PROVIDE TEMPORARY FENCE, SECURELY ATTACHED AS REQUIRED TO MAINTAIN SITE PERIMETER SECURITY.
- CONTRACTOR SHALL INCLUDE THE TEMPORARY STORAGE AND PROTECTION OF ALL SITE FURNITURE AND PLANTERS. THE WEEKLY WATERING OF ALL POTTED PLANTS, AND THE RELOCATION OF ALL SITE FURNITURE AND PLANTERS AFTER THE PLACEMENT OF NEW PAVING, LOCATIONS TO BE DETERMINED BY ARCHITECT.

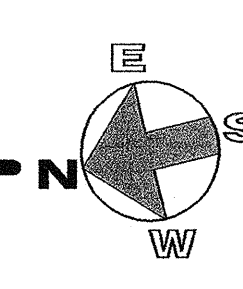
DEMO EXISTING CURB & GUTTER, LANDSCAPING, SIDEWALK IN PUBLIC RIGHT OF WAY FOR NEW DRIVEWAY APPROACH - SEE SHEET A-1.1 FOR EXACT LOCATION

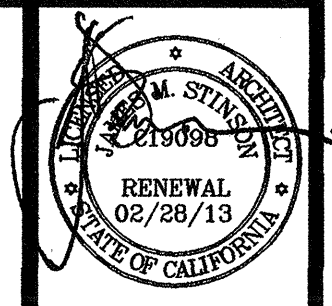
Virginia Avenue

SYMBOLS
 THIS SYMBOL LEGEND IS FOR THIS PAGE ONLY

	EXISTING A.C. PAVING TO BE REMOVED
	EXISTING CONCRETE - PROTECT IN PLACE
	EXISTING CONCRETE TO BE REMOVED
	EXISTING BUILDING
	EXISTING BUILDING TO BE REMOVED
	EXISTING CHAINLINK FENCING
	POWER POLE
	FIRE HYDRANT
	EXISTING TO REMAIN PROTECT IN PLACE
	EXISTING TO BE REMOVED AND GIVEN TO DISTRICT
	EXISTING TO BE REMOVED
	NEW LOCATION OF THE EXISTING TO BE RELOCATED
	EXISTING TO BE RELOCATED

SITE DEMO PLAN
 SCALE: 1"=20'-0"





IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 03 11 3 8 2 8
ACT. 11/15/2011
DATE: JUL 15 2011

REVISION	DATE	DESCRIPTION

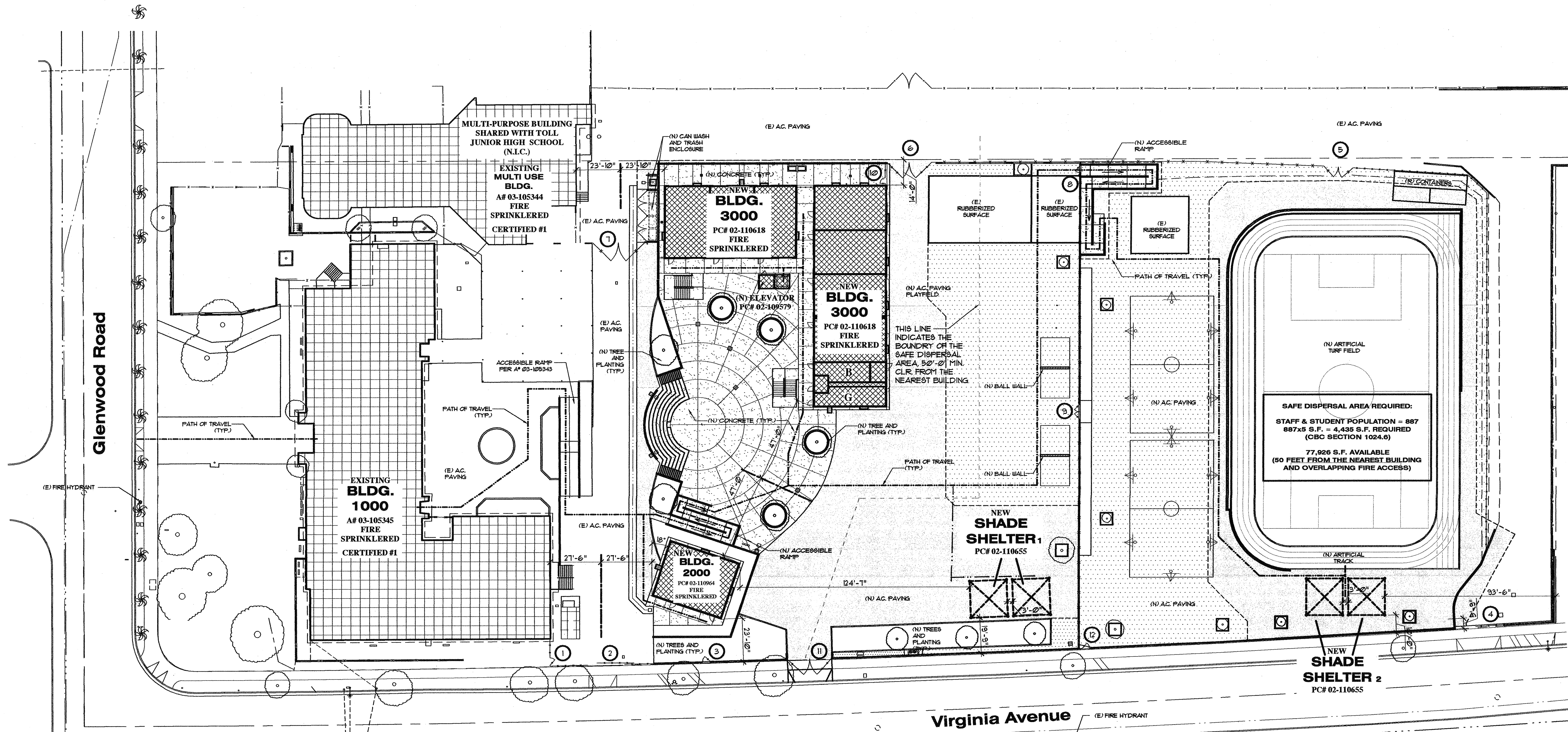
PSWC Group
ARCHITECTURE
INTERIOR DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
MINIEMUNDO, CALIFORNIA 92551
TEL: 951.889.2333 FAX: 951.889.2444

**KEPPEL ELEMENTARY SCHOOL
2 STORY CLASSROOM ADDITION
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201**

SITE PLAN
SCALE: 1"=30'-0"

JOB NO.
P974
DRAWN BY
DAN BEMAR
DATE
01-28-11

A-1.1



NOTES:
1. GATES IN PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQ'S. (SECTION 103B.2) PROVIDE LEVER HARDWARE.
2. PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/4" BEVELED AT 12 MAXIMUM SLOPE EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (103B.8.2) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (103B.8.6). CONTRACTOR TO VERIFY THAT THERE ARE NO BARRIERS IN PATH OF TRAVEL, AND THE PATH OF TRAVEL COMPLIES WITH CBC 103B.

SITE PLAN
SCALE: 1"=30'-0"

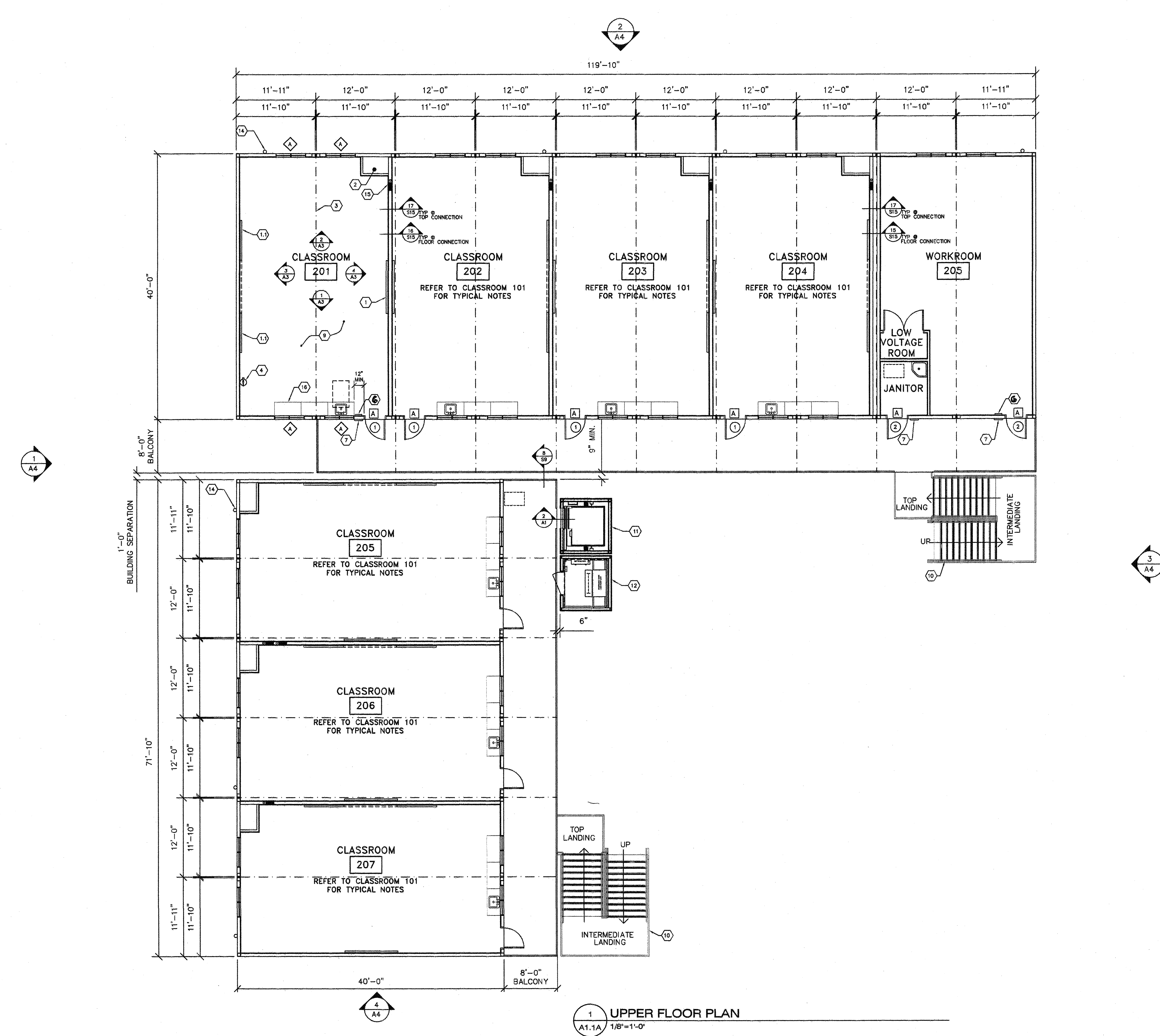
SEE ENLARGED SITE PLAN A-12 FOR DETAILED PLANS AND REFERENCES

GATE SCHEDULE					
NO.	SIZE	MATERIAL	HARDWARE	TYPE	COMMENTS
1	3'-0" X 1'-0"	CHAIN LINK	5	SWINGING	-
2	2'-0" X 10'-0"	CHAIN LINK	4	ROLLING	-
3	3'-0" X 1'-0"	CHAIN LINK	5	SWINGING	WITH FIRE DEPARTMENT USE ONLY SIGN
4	2'-0" X 8'-0"	CHAIN LINK	4	ROLLING	-
5	8'-0" X 10'-0" FR.	CHAIN LINK	6	SWINGING	-
6	12'-0" X 10'-0" FR.	CHAIN LINK	6	SWINGING	-
7	14'-0" X 6'-0" FR.	CHAIN LINK	6	SWINGING	-
8	4'-0" X 8'-0" FR.	CHAIN LINK	7	SWINGING	-
9	8'-0" X 8'-0" FR.	CHAIN LINK	6	SWINGING	WITH NON ACCESSIBLE RAMP SIGN
10	3'-0" X 1'-0"	CHAIN LINK	5	SWINGING	-
11	12'-0" X 8'-0" FR.	CHAIN LINK	6	SWINGING	-
12	3'-0" X 1'-0"	CHAIN LINK	5	SWINGING	WITH FIRE DEPARTMENT USE ONLY SIGN
13	-	-	-	-	-
14	-	-	-	-	-
15	-	-	-	-	-

2010 CBC BUILDING ANALYSIS FOR BUILDINGS				
BUILDING DESIGNATION	OCCUPANCY / FIRE RATING CONST. TYPE	BASIC ALLOWABLE TABLE 5-B C.B.C.	ALLOWABLE INCREASE PER 505.3	ACTUAL AREA
BUILDING 8000	E TYPE V - B FULLY SPRINKLERED	9,500 SF. 1st AND 2nd FLOORS	9,500 SF. BASIC ALLOWABLE (TABLE 5-B) + 200% AUTOMATIC SPRINKLER INCREASE (506.3) 28,500 SF. ALLOWABLE FLOOR AREA EACH FLOOR ALLOWABLE STORY INCREASE PER CBC 504.2	1,680 SF. COMPLES 1,680 SF. COMPLES 15,360 SF. TOTAL
BUILDING 9000	E TYPE V - B FULLY SPRINKLERED	9,500 SF.	E OCCUPANCY 1st FLOOR E OCCUPANCY 2nd FLOOR	1,200 SF.
SHADE SHELTER 1	A-2 TYPE II - B NON SPRINKLERED	9,500 SF.		400 SF. X 2 800 SF. TOTAL
SHADE SHELTER 2	A-2 TYPE II - B NON SPRINKLERED	9,500 SF.		400 SF. X 2 800 SF. TOTAL

SYMBOLS	
	NEW AC PAVING
	EXISTING AC PAVING TO BE SLURRY SEALED AND RESTRIPTED
	NEW AC PAVING FOR FIRE ACCESS LANE
	NEW AC PAVING FOR FIRE ACCESS LANE
	NEW BUILDING
	EXISTING BUILDINGS
	EXISTING CHAINLINK FENCING
	NEW CHAINLINK FENCING
	NEW DECORATIVE STEEL FENCING
	CONCRETE WALL
	PATH OF TRAVEL - P.O.T.
	RAMP DOWN
	STREET POLE
	FIRE HYDRANT
	NEW
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED AND GIVEN TO DISTRICT
	EXISTING TO BE REMOVED
	NEW LOCATION OF THE EXISTING TO BE RELOCATED
	EXISTING TO BE RELOCATED
	GATE NUMBER

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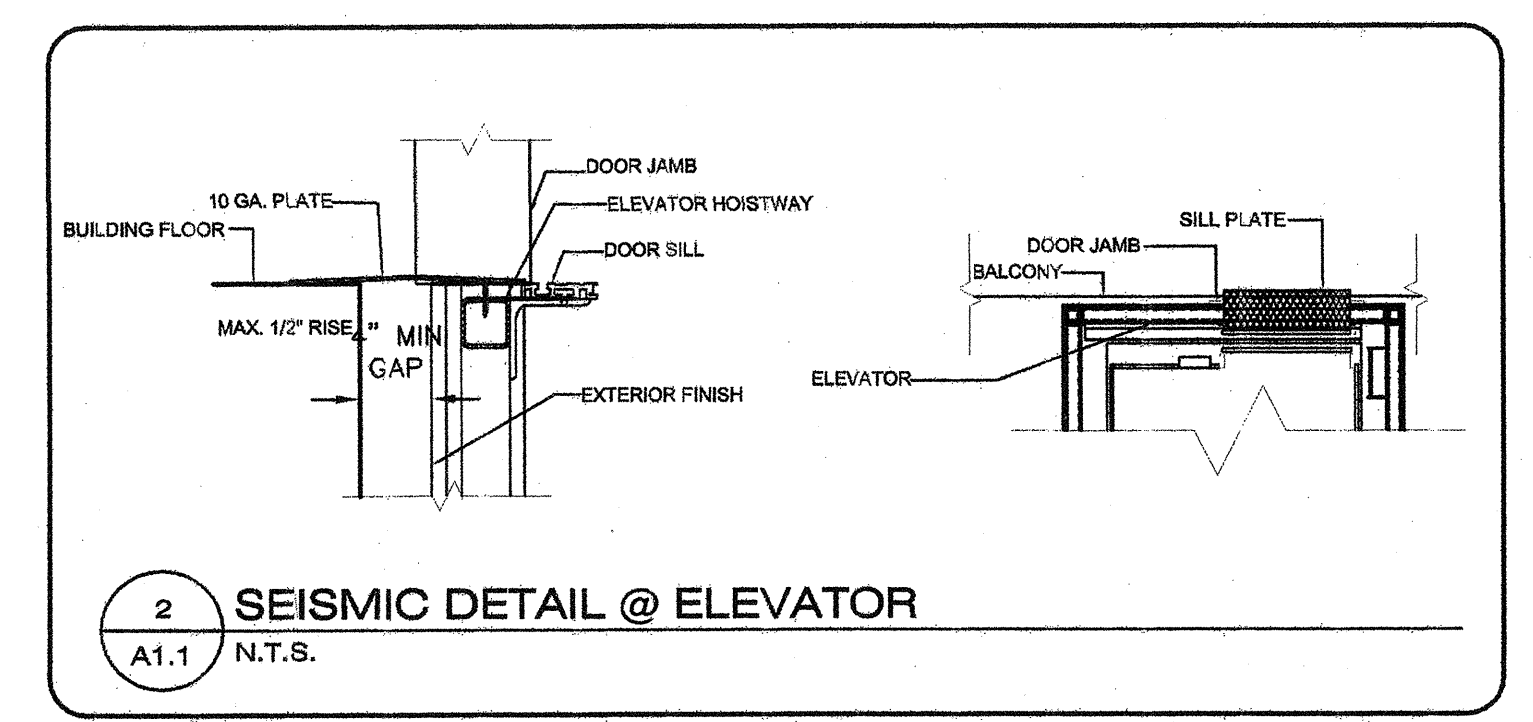


- SHEET NOTES -
- 1 8'x4' MARKER BOARDS
 - 1.1 6'x4' MARKER BOARDS
 - 2 UTILITY CHASE WALL
 - 3 TYP MOD LINE
 - 4 FIRE EXTINGUISHER TOP OF BRACKET @ +48" AFF
 - 5 EXIT TACTILE SIGN @ FIRST FLOOR PER DETAIL 10/A6 (NIC)
 - 6 "EXIT STAIRS DOWN" TACTILE EXIT SIGN @ SECOND FLOOR SIM TO DETAIL 10/A6 (NIC)
 - 7 CLASSROOM ID # PER DETAIL 5/A6
 - 8 ACCESS DOOR
 - 9 FLOORING
 - 10 STAIRS REFER TO SHEET S18 FOR DETAILS
 - 11 * ELEVATOR PC 02-109579
 - 12 * ELEVATOR CONTROLLER ROOM PER PC 02-109579
 - 13 OCCUPANT LOAD SIGN PER DETAIL 16/A6 (NIC)
 - 14 DOWNSPOUT
 - 15 ELECTRICAL PANEL
 - 16 BASE CABINETS
- * ELEVATOR & CONTROLLER ROOM ARE NOT PART OF THIS APPROVAL

DOOR HARDWARE SCHEDULE

A	EXTERIOR DOOR LOCKSET SCHLAGE ND70PD W/ LEVER RHODES
<p>Exterior Door</p> <p>A) Hinges: Hager 4-1/2x4-1/2 butts, BB1279 US260, 1-1/2 pair each door with set screw in barrel and ball bearing design</p> <p>C) Closes: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal. (5 lbs. max. pressure)</p> <p>D) Weatherstripping: All exterior doors shall be weatherstripped with Permko 299D, Ultra WS007, at door jombs and head or equal.</p> <p>E) Threshold: Threshold shall be Permko 271 AV 5" aluminum with Permko 216 AV Ultra TH042 door bottom.</p>	

- SHEET NOTES -
- # DOOR (REFER TO SHEET A2 FOR TYPES)
 - ◇ WINDOW (REFER TO SHEET A2 FOR TYPES)



1 UPPER FLOOR PLAN
A1.1A 1/8"=1'-0"

2 SEISMIC DETAIL @ ELEVATOR
A1.1 N.T.S.

REVISIONS

NO.	DATE	DESCRIPTION
1	06/29/06	

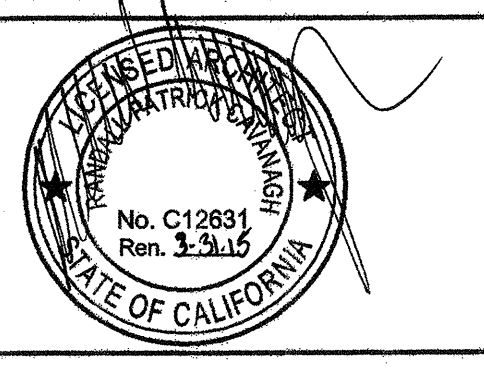
DATE: 02-23-11
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DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

120' x 40' AND 72' x 40' 2 STORY BUILDING
UPPER FLOOR PLAN



APPROVALS:

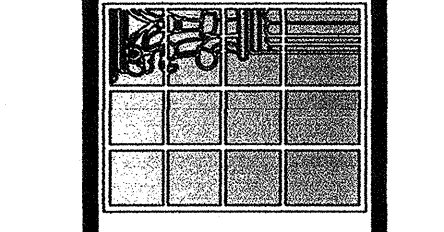


IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 1 3 8 2 8
AC/FLS/16816
DATE

PROJECT No.
A1.1

NO.	REVISION

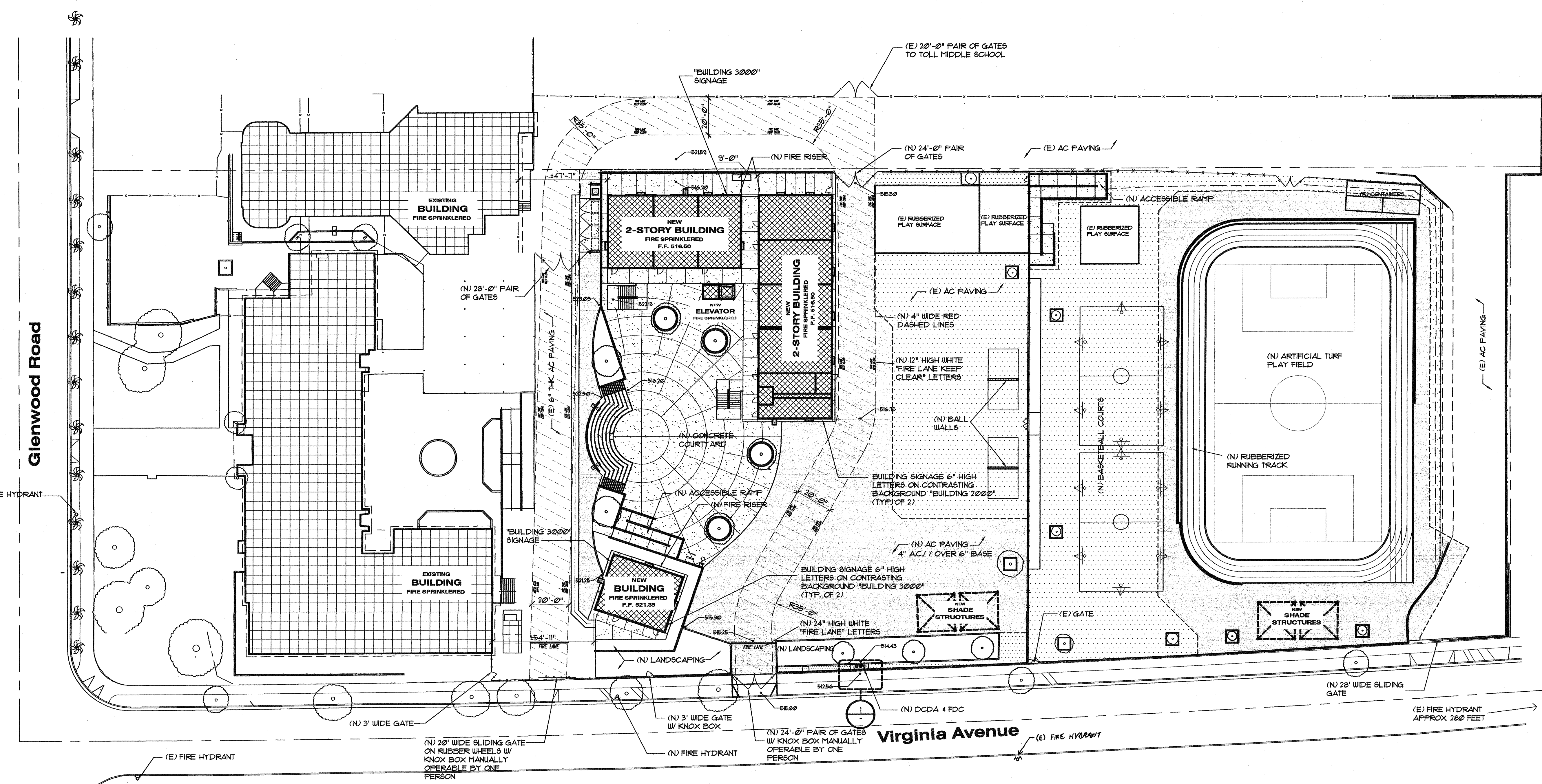
PSWC Group
 ARCHITECTURE
 INTERIOR DESIGN
 1887 BUSINESS CENTER DRIVE SUITE 3
 SAN BERNARDINO, CA 92408
 TEL: 909.850.2233 FAX: 909.850.2444



**KEPPEL ELEMENTARY SCHOOL
 2 STORY CLASSROOM ADDITION
 GLENDALE UNIFIED SCHOOL DISTRICT**
 700 GLENWOOD RD., GLENDALE, CA 91201

**EMERGENCY FIRE
 ACCESS PLAN**
 SCALE: 1"=30'-0"

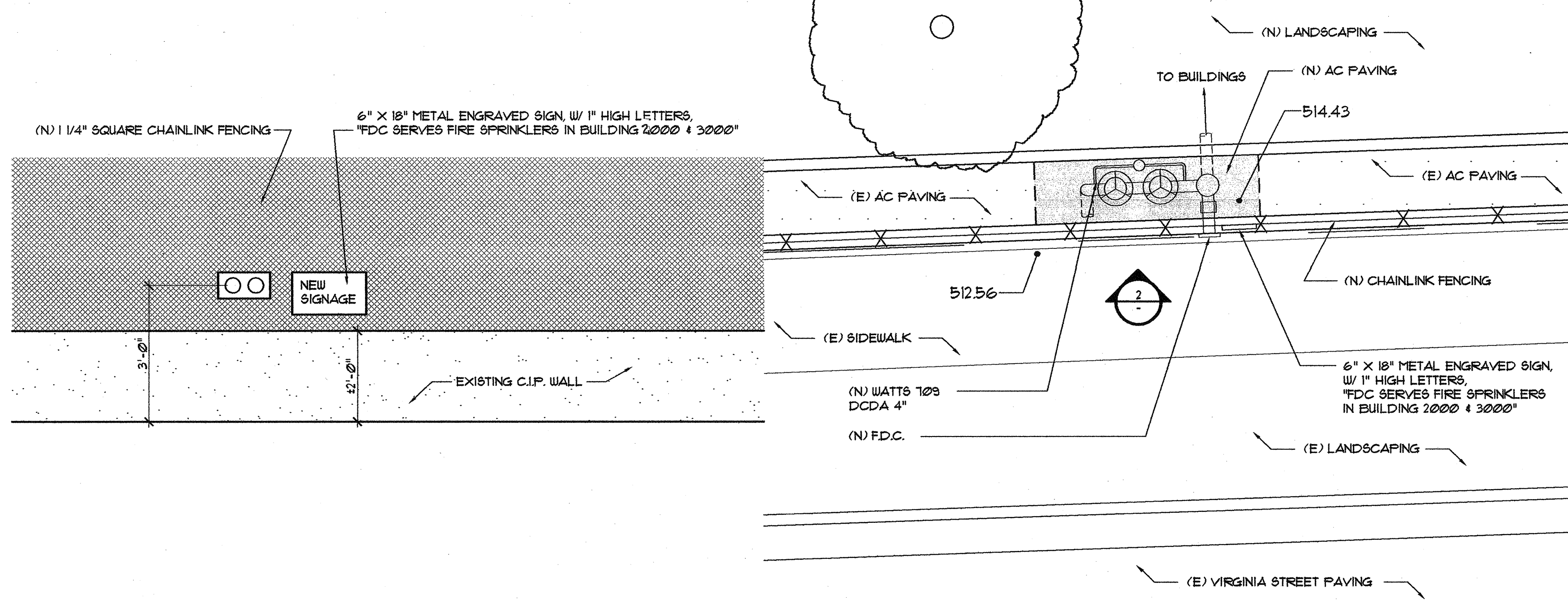
JOB NO. P074
 DRAWN BY DAN BENAR
 DATE 01-05-11
A-1.15



SITE PLAN
 SCALE: 1"=30'-0"

<p>2-STORY CLASSROOM 15,360 SF. TYPE VB SPRINKLERED E OCCUPANCY TABLE B102(b) 2010 CFC REQUIRED FIRE FLOW = 3050 GPM @ 2.0 PSI FOR 3 HOURS</p>	<p>1-STORY CLASSROOM 1200 SF. TYPE VB SPRINKLERED E OCCUPANCY TABLE B102(b) 2010 CFC REQUIRED FIRE FLOW = 1500 GPM @ 2.0 PSI FOR 2 HOURS</p>
---	---

- NOTES:
- GATE COMPONENTS SHALL BE MAINTAINED IN AN OPERATIVE CONDITION AT ALL TIMES AND REPLACED OR REPAIRED WHEN DEFECTIVE.
 - MAINTAIN 13'-6" VERTICAL CLEARANCE ABOVE FIRE APPARATUS ROADS.
 - U.G. FLUSH/ROUGH/HYDRO OF PIPE FROM CITY MAIN TO BACKFLOW PREVENTER (CALL GWP TO OBTAIN WITNESS OF FLUSH PRIOR TO INSTALLATION OF BACKFLOW PREVENTER). THIS IS NOT PART OF THE U.G. FLUSH INSPECTION, BETWEEN THE BACKFLOW AND THE SPRINKLER RISER, WHICH WOULD BE INSPECTED BY THE DSA IOR.
 - PRIOR TO OCCUPANCY: FIRE DEPARTMENT ACCESS, WATER SUPPLY, SIGNAGE, ETC. CALL 818-548-4810 TO SCHEDULE WITH FD. SCHOOL INSPECTOR. (GFD FINAL APPROVAL IS SUBJECT TO A FIELD INSPECTION TO VERIFY COMPLIANCE TO THIS PLAN, INCLUDING THOSE ITEMS IDENTIFIED UNDER THE "LOCAL FIRE AUTHORITY REVIEW")
 - CONTRACTOR SHALL PURCHASE KNOX BOX AND PROVIDE PROOF OF PURCHASE TO GFF PRIOR TO INSTALLATION OF NEW GATES.
 - EXISTING AND PROPOSED FIRE ACCESS LANE DOES NOT EXCEED 10%/10 GRADIENT



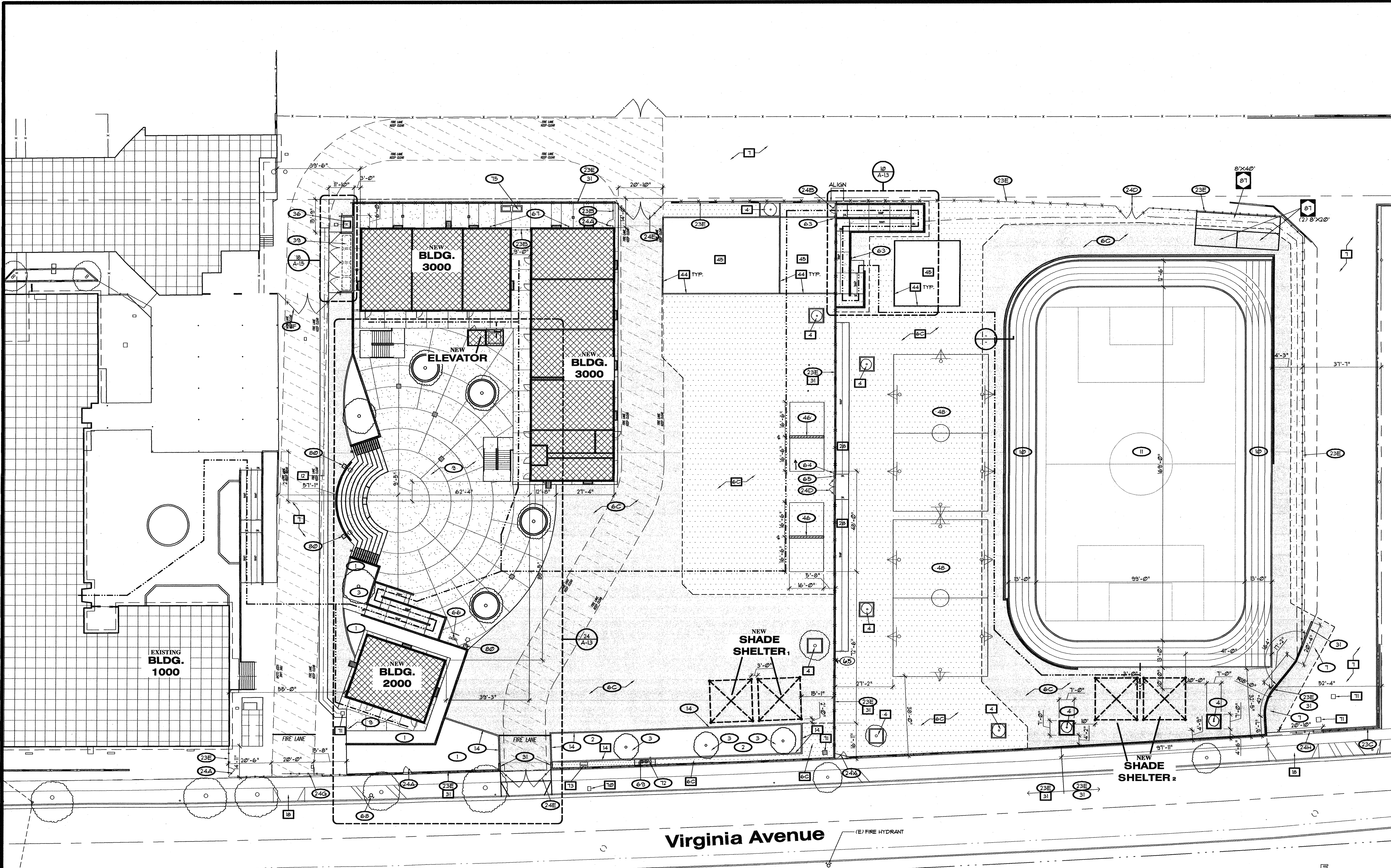
2 FDC DETAIL - ELEVATION
 SCALE: 1/2"=1'-0"

1 FDC & DCVA DETAIL - PLAN
 SCALE: 1/4"=1'-0"

LEGEND	
[Pattern]	NEW AC PAVING
[Pattern]	EXISTING AC PAVING TO BE SLURRY SEALED AND RESTRIPTED
[Pattern]	FIRE ACCESS LANE
[Pattern]	NEW BUILDING
[Pattern]	EXISTING BUILDINGS
[Symbol]	EXISTING CHAINLINK FENCING
[Symbol]	NEW CHAINLINK FENCING
[Symbol]	RETAINING WALL
[Symbol]	STREET POLE
[Symbol]	FIRE HYDRANT
[Symbol]	TYPICAL FINISH GRADE ELEVATION

LOCAL FIRE AUTHORITY REVIEW	
LOCAL FIRE AUTHORITY TO INITIAL THE ITEMS AS APPLICABLE TO THIS PROJECT AND SIGN BELOW. DSA APPLICATION # 03-113828	
YES	NO / N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/> ELEVATORS
IF AN ELEVATOR DOES NOT MEET MEDICAL EMERGENCY SERVICE CAB SIZE, PER 2010 CALIFORNIA BUILDING CODE (CBC), THE LOCAL FIRE AUTHORITY APPROVES THE USE OF STAIRWAYS FOR EMERGENCY RESCUE AND PATIENT TRANSPORT	
<input checked="" type="checkbox"/>	<input type="checkbox"/> ACCESS ROADS
ACCESS ROADS AND GATE ENTRANCES ARE IN ACCORDANCE WITH TITLE 19, CALIFORNIA CODE OF REGULATIONS DIV. 1, CHAP. 1, SUB. CHAP. 1, ARTICLE 3 NUMBER 3.05 (ACCESS ROADS) AND 3.16 (GATE ENTRANCES) TO SCHOOL SITES.	
<input checked="" type="checkbox"/>	<input type="checkbox"/> FIRE FLOW
FIRE FLOW LOCATION AND DISTRIBUTION ARE IN ACCORDANCE WITH TITLE 19, CALIFORNIA CODE OF REGULATIONS DIV. 1, CHAP. 1, SUB. CHAP. 1, ARTICLE 3 NUMBER 3.05 (ACCESS ROADS) AND 3.16 (GATE ENTRANCES) TO SCHOOL SITES.	
<input checked="" type="checkbox"/>	<input type="checkbox"/> HAZARD SEVERITY ZONE AREA (2010 CBC CHAPTER 7A)
<input checked="" type="checkbox"/>	<input type="checkbox"/> AUTOMATIC FIRE SPRINKLER SYSTEMS (AFSS)
THE LOCATION(S) OF THE PROPOSED POST INDICATOR VALVE (PIV) AND FIRE DEPARTMENT CONNECTION (FDC) MEET THE REQUIREMENTS OF THIS JURISDICTION	
<input checked="" type="checkbox"/>	<input type="checkbox"/> THE LOCATION(S) OF THE DETECTOR CHECK VALVE ASSEMBLY (DCVA) MEET THE REQUIREMENTS OF THIS JURISDICTION
<input checked="" type="checkbox"/>	<input type="checkbox"/> THE FIRE PUMP ASSEMBLY/BACKFLOW PREVENTER AND OTHER VALVES MEET THE REQUIREMENTS OF THIS JURISDICTION
LOCAL FIRE AUTHORITY INFORMATION	
SCHOOL SUPERINTENDENT OR FACILITIES DIRECTOR SIGNATURE WHEN REQUIRED ABOVE	
AGENCY NAME: CITY OF GLENDALE FIRE DEPARTMENT FIRE PREVENTION BUREAU	
ADDRESS: 780 FLOWER STREET	
CITY/STATE/ZIP: GLENDALE, CALIFORNIA 91201	
PHONE NUMBER: (818) 548-4810 DATE: JUNE 23, 2011	
APPROVAL ISSUED BY: JOE MARCELLE	
RANK/TITLE: FIRE PREVENTION INSPECTOR	
SCHOOL REPRESENTATIVE SIGNATURE: _____	
COMMENTS: _____	

WELDON FIRE PREVENTION SECTION
 (818) 548-4810
 JUN 23 2011
 Approved by Joe Marcelle
 SUBJECT TO FIELD INSPECTION
 The GFD does not approve
 if the new grassy accessible
 exterior.



LEGEND

LANDSCAPE	1. PLANTING
	2. TURF 4 IRRIGATION
	3. TREE
	4. TREE W/ CONCRETE CURB SEE 8/A-13
	5. NOT USED
PAVING	6. AC PAVING
	A. PARKING LOT
	B. NOT USED
	C. PLAY AREA SEE NOTE #1
	D. CAR DROP-OFF
	7. FIRE ACCESS AC PAVED SEE NOTE #2
	8. NOT USED
	9. CONCRETE PAVING SEE NOTE #3
	10. RUBBERIZED RUNNING TRACK SEE SHEET A-16
	11. ARTIFICIAL TURF FIELD SEE SHEET A-16
	12. 48" WIDE CONCRETE SWALE
	13. 18" CONCRETE APRON
	14. 6" WIDE CONCRETE CURB SEE 8/A-15
	15. NOT USED
	16. NOT USED
	17. NOT USED
FENCING	18. CONCRETE DRIVEWAY APRON
	19. NOT USED
	20. NOT USED
	21. NOT USED
	22. NOT USED
	23. CHAINLINK FENCING SEE 1/A-15
	A. 4'-0" HIGH
	B. 6'-0" HIGH
	C. 8'-0" HIGH
	D. 8'-0" PAIR
	E. 10'-0" HIGH
	F. 20'-0" SLIDER
	G. 20'-0" SLIDER
	H. 20'-0" SLIDER
	I. 4'-0" PAIR
	J. 4'-0" PAIR
	K. 4'-0" PAIR
	L. 4'-0" PAIR
	M. 4'-0" PAIR
	N. 4'-0" PAIR
	O. 4'-0" PAIR
	P. 4'-0" PAIR
	24. CHAINLINK GATES (SEE NOTE #5) SEE 2/A-15
	A. 4'-0" WIDE
	B. 4'-0" WIDE
	C. 4'-0" WIDE
	D. 4'-0" WIDE
	E. 4'-0" WIDE
	F. 4'-0" WIDE
	G. 4'-0" WIDE
	H. 4'-0" WIDE
	I. 4'-0" WIDE
	J. 4'-0" WIDE
	K. 4'-0" WIDE
	L. 4'-0" WIDE
	M. 4'-0" WIDE
	N. 4'-0" WIDE
	O. 4'-0" WIDE
	P. 4'-0" WIDE
	25. NOT USED
	26. NOT USED
	27. NOT USED
	28. NON-ACCESSIBLE RAMP
	29. NOT USED
	30. NOT USED
	31. C.I.P. CONCRETE WALL
	32. NOT USED
	33. NOT USED
	34. NOT USED
	35. NOT USED
	36. CAN WASH SEE 20/A-15
	37. NOT USED
	38. NOT USED
	39. TRASH BIN (N.I.C.)
	40. NOT USED
	41. NOT USED
	42. NOT USED
	43. NOT USED
	44. 2" CURB FACE RETAINING CURB
	45. RUBBER SAFETY SURFACE PLAY AREA
	46. BALL WALL SEE 1/A-15 8/8-32
	47. NOT USED
	48. BASKETBALL COURT W/ POLE BACKBOARD - RIM 4 NET W/ 3" WHITE PAINTED LINES SEE 4/A-15
	49. NOT USED
	50. NOT USED
	51. NOT USED
	52. NOT USED
	53. NOT USED
	54. NOT USED
ENCLOSURE	55. NOT USED
WALLS	56. NOT USED
	57. NOT USED
	58. NOT USED
	59. NOT USED
	60. NOT USED
	61. NOT USED
	62. NOT USED
	63. ACCESSIBLE RAMP SIGN - 10/A-12
	64. ACCESSIBLE RAMP DIRECTIONAL SIGN - 10/A-12
	65. NON ACCESSIBLE RAMP SIGN - 1/A-12
	66. ACCESSIBLE DRINKING FOUNTAIN
	ACORN AQUA - AQUADESIGN - ABC3500B
	67. FIRE SPRINKLER RISER
	68. FIRE HYDRANT
	69. F.D.C. ASSEMBLY
	70. WATER METER
	71. CATCH BASIN - FER CIVIL - GRATE OPENINGS - SEE 6/A-15
	72. DOUBLE CHECK DETECTOR ASSEMBLY
	73. BOOSTER PUMP
EQUIPMENT	74. NOT USED
	75. ELECTRICAL EQUIPMENT
	76. NOT USED
	77. NOT USED
	78. NOT USED
	79. NOT USED
	80. SITE LIGHTING POLE - SEE ELECTRICAL DRAWINGS
	81. NOT USED
	82. NOT USED
	83. NOT USED
	84. NOT USED
	85. NOT USED
	86. NOT USED
	87. STORAGE CONTAINERS SIZE AS NOTED CONTRACTOR SHALL BE RESPONSIBLE TO RELOCATE EXISTING BINS PERFORM WORK AND RELOCATE AGAIN TO PERMANENT LOCATION
	88. NOT USED
	89. NOT USED
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	199. NOT USED
	200. NOT USED



IDENTIFICATION STAMP
 DAN BRINAR ARCHITECT
 APRIL 11, 2011
 DATE: JUL 10, 2011

REVISION	DATE	DESCRIPTION

PSWC Group
 ARCHITECTURE
 INTERIOR DESIGN
 1887 BUSINESS CENTER DRIVE SUITE 3
 SAN BERNARDINO, CA 92408
 TEL: 909.859.2123 FAX: 909.859.2144

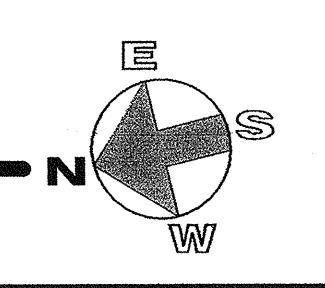
KEPPEL ELEMENTARY SCHOOL
 2 STORY CLASSROOM ADDITION
 GLENDALE UNIFIED SCHOOL DISTRICT
 700 GLENWOOD RD., GLENDALE, CA 91201

ENLARGED SITE PLAN
 SCALE: 1"=20'-0"

JOB NO. 1074
 DRAWN BY DAN BRINAR
 DATE 01-28-11
 A-1.2

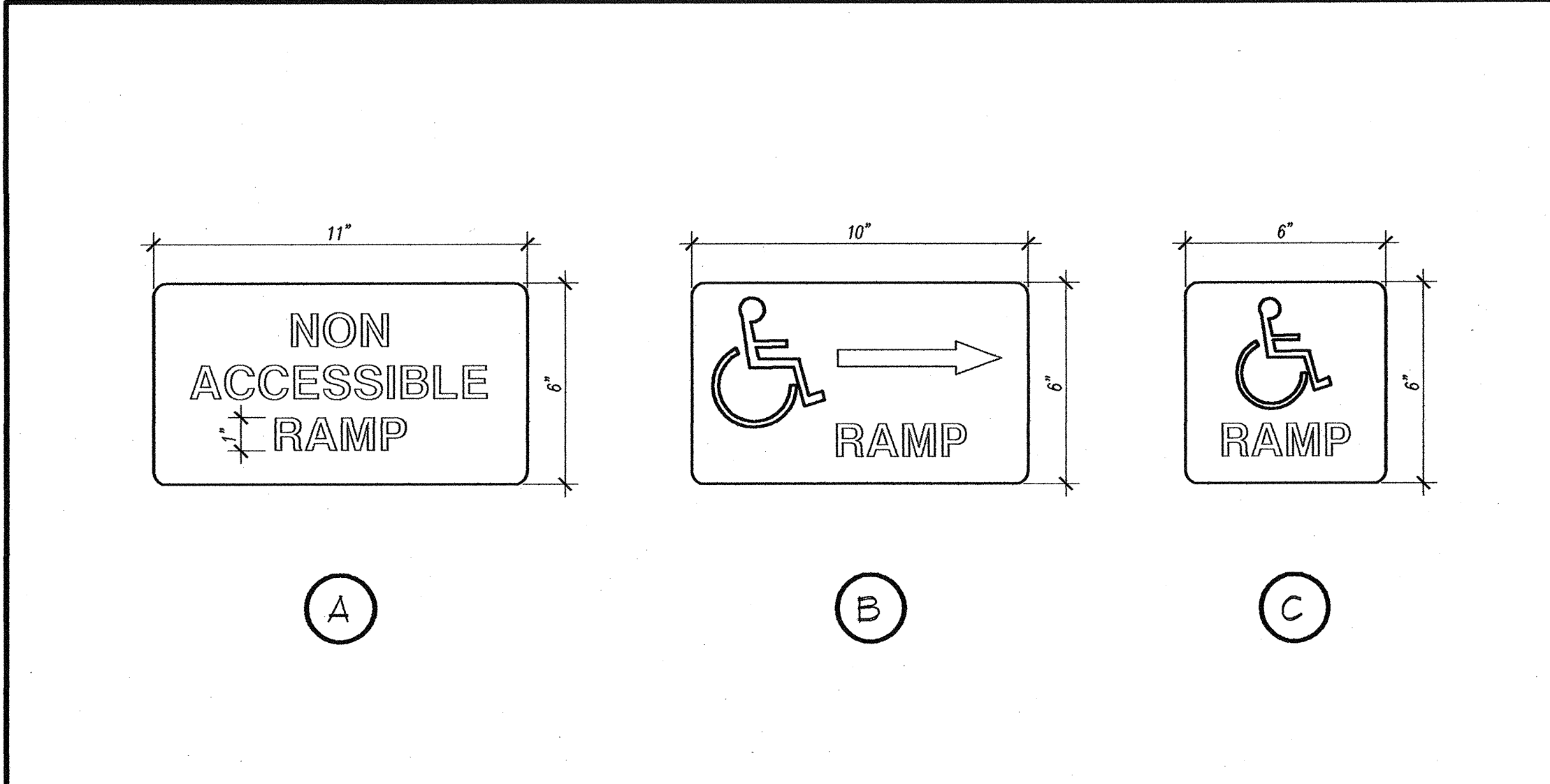
ENLARGED SITE PLAN

SCALE: 1"=20'-0"

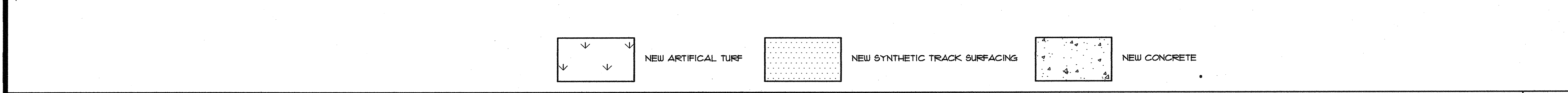
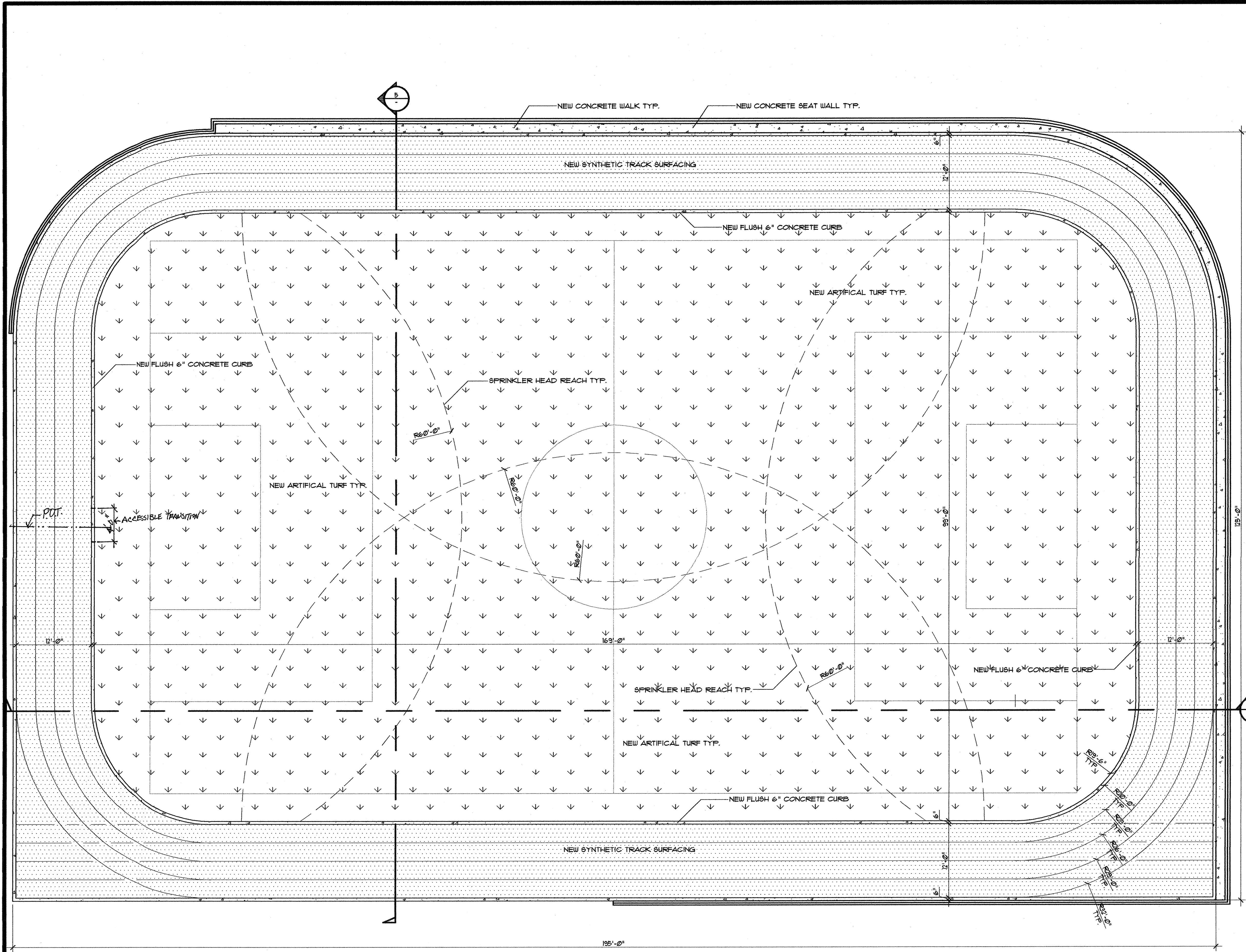


NOTES

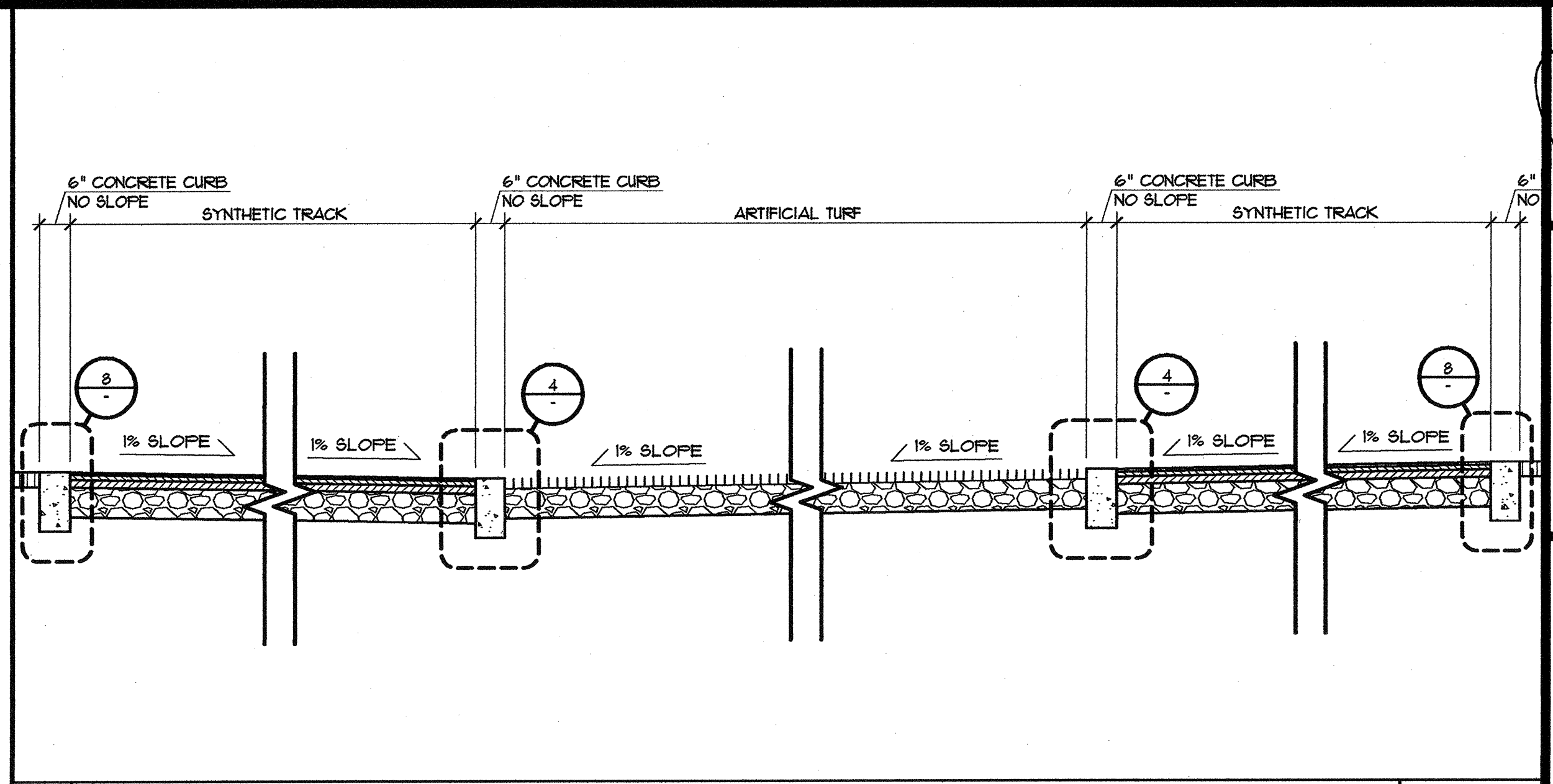
- AC PAVED PLAY- 3" OF AC PAVING OVER 4" OF AGGREGATE BASE
- DRIVE AREAS- 3" OF AC PAVING OVER 6" OF AGGREGATE BASE
- ALL CONCRETE PAVING SHALL BE MINIMUM OF 4" CONCRETE OVER 4" OF SAND WITH #3 REBAR AT 24" O.C. EACH WAY.
- GATES: IN PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQ'S (SECTION 103B.2) PROVIDE LEVER HARDWARE.
- PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1/2" MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (103B.2) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (103B.6).
 IRC/119.2.7 TO VERIFY THAT THERE ARE NO BARRIERS IN PATH OF TRAVEL, AND THE PATH OF TRAVEL COMPLIES WITH CBC 103B.
- 2" CURB FACE AT ALL TRANSITIONS FROM RUBBERIZED SURFACE TO ADJACENT SURFACE



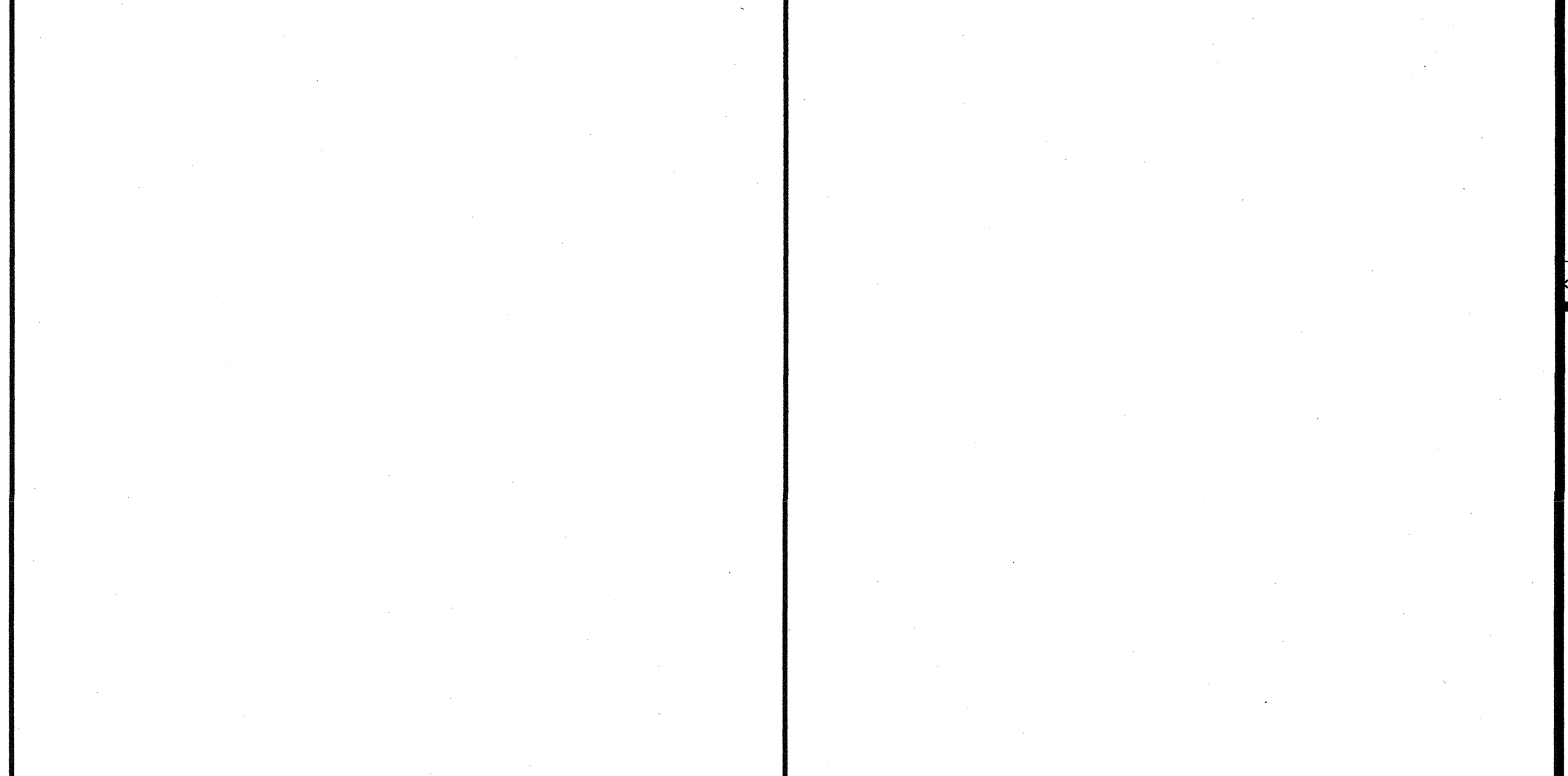
1 RAMP SIGNS SCALE: 3" = 1'-0"



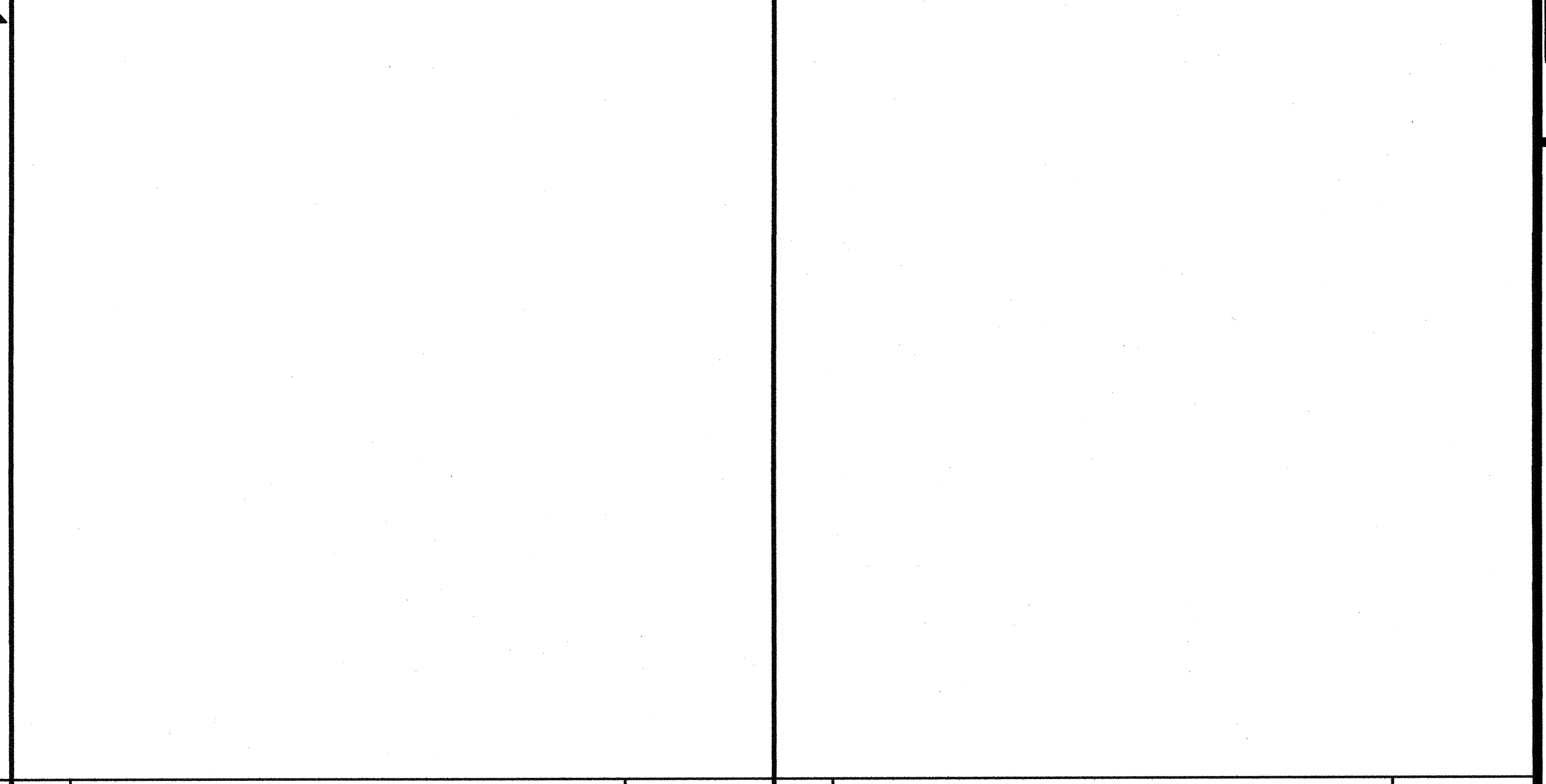
23 ARTIFICIAL TURF FIELD PLAN 1/8" = 1'-0"



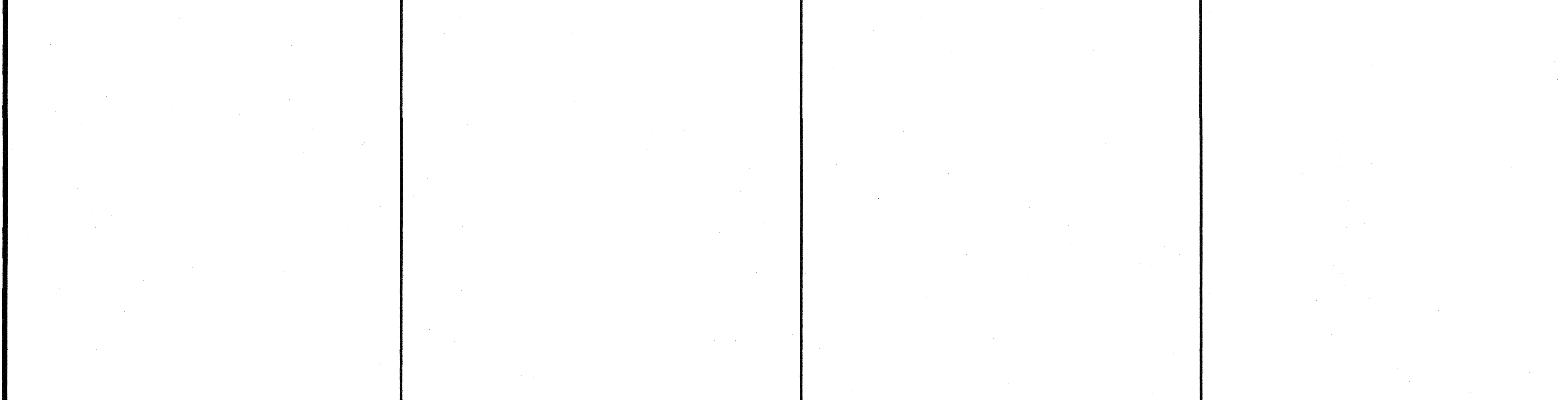
5 FIELD SECTION 1 1/2" = 1'-0"



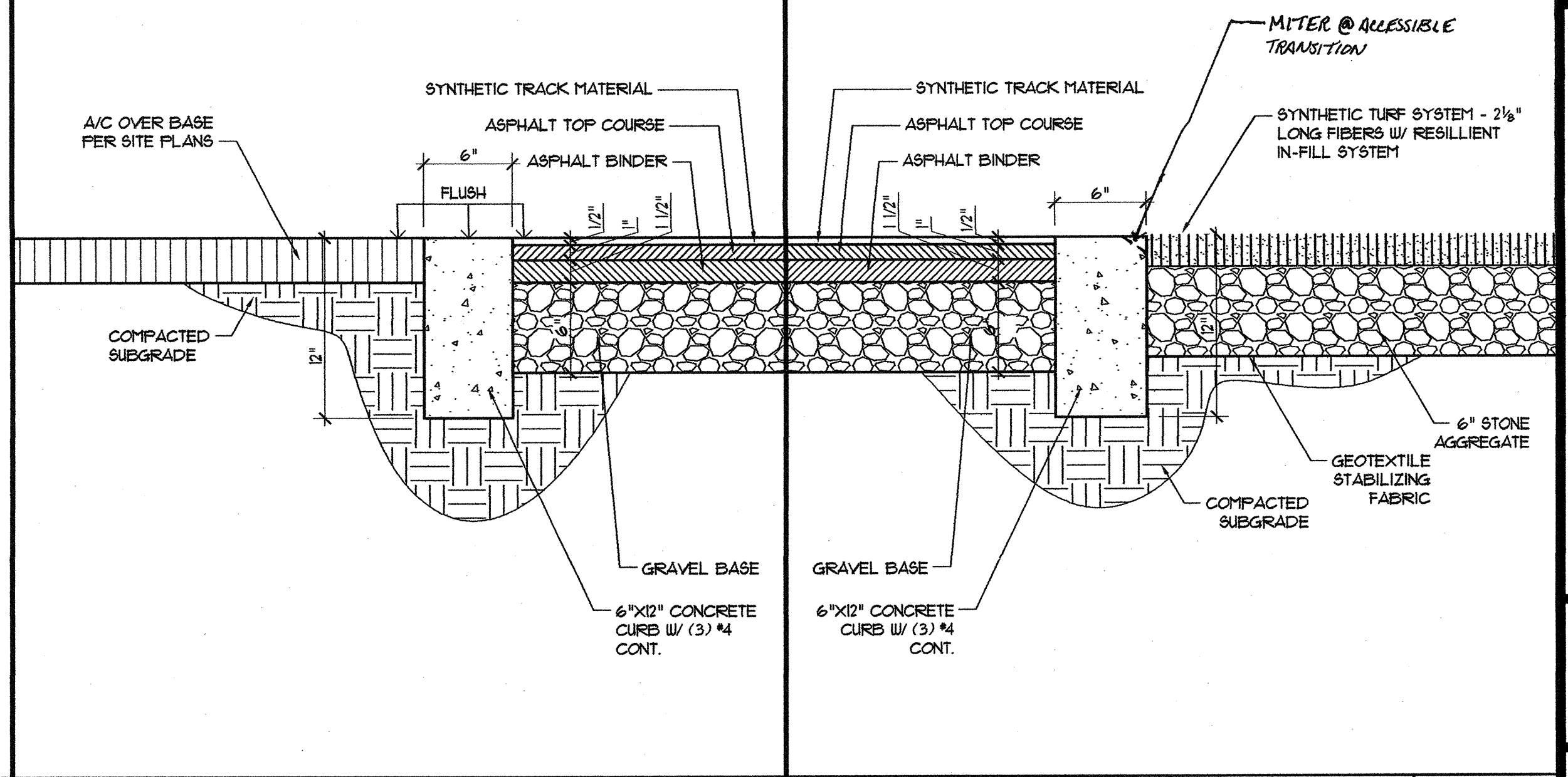
6 DETAIL 1 1/2" = 1'-0" **2 DETAIL** 1 1/2" = 1'-0"



7 DETAIL 1 1/2" = 1'-0" **3 DETAIL** 1 1/2" = 1'-0"



24 - - **20** - - **16** - - **12** - - **8 DETAIL** 1 1/2" = 1'-0" **4 DETAIL** 1 1/2" = 1'-0"



8 DETAIL 1 1/2" = 1'-0" **4 DETAIL** 1 1/2" = 1'-0"

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APR 11 3 38 28
 DAN BERNAS
 DATE: 01-31-11

REVISION
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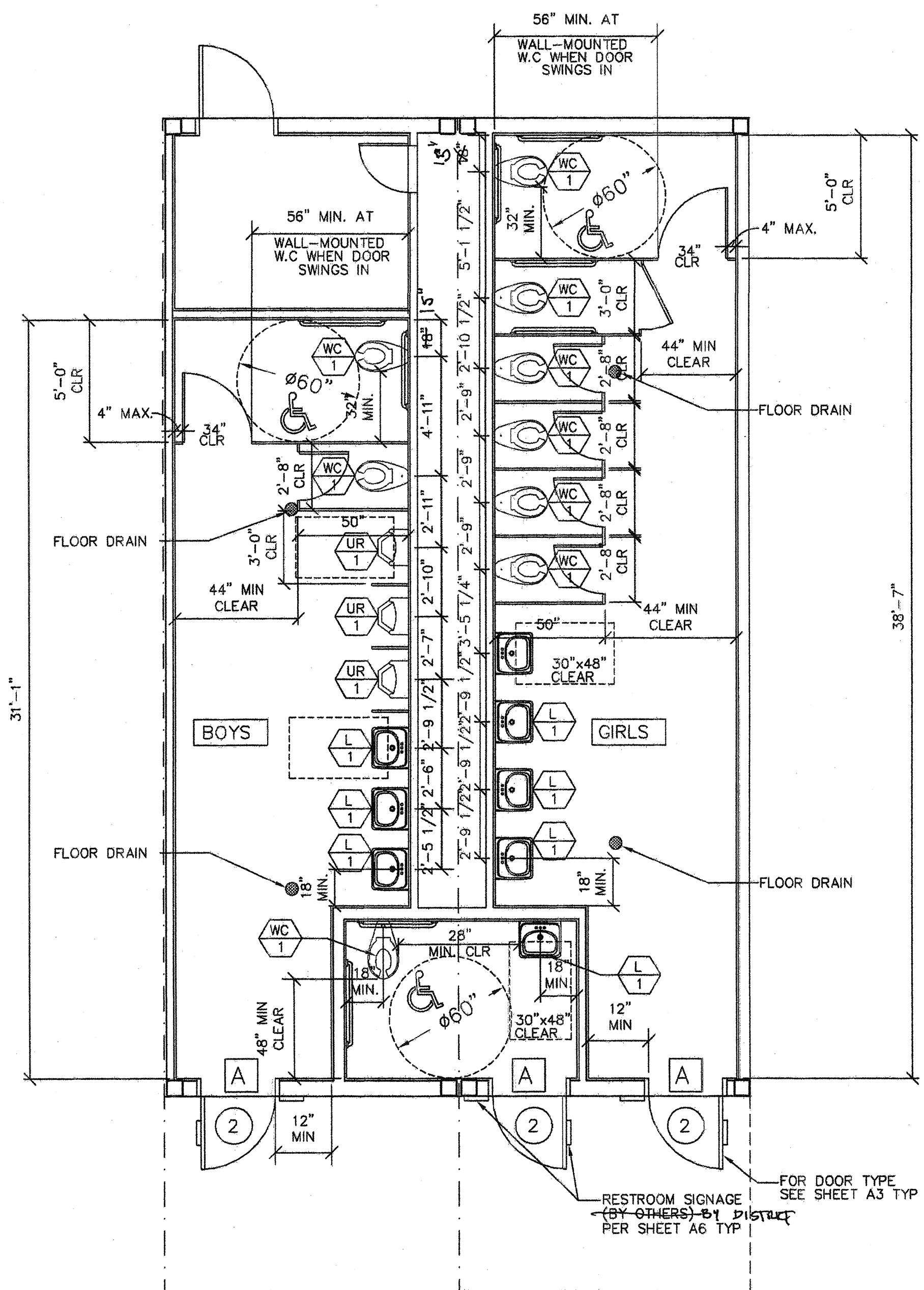
P5WC Group
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 SAN FRANCISCO, CA 94108
 TEL: 909.890.2233 FAX: 909.890.2444

**KEPPEL ELEMENTARY SCHOOL
 2 STORY CLASSROOM ADDITION
 GLENDALE UNIFIED SCHOOL DISTRICT
 700 GLENWOOD RD., GLENDALE, CA 91801**

**ARTIFICIAL TURF
 FIELD PLAN**
 AS NOTED

SHEET NO. **A-1.6**
 DRAWN BY **DAN BERNAS**
 DATE **01-31-11**

X:\P5WC Projects\Glendale USD\Keppel ES\2-Story Classroom\CAD Drawings\01_Current\A-1.6_Keppel.dwg, 6/29/2011 2:20:14 PM



1 BOYS, GIRLS & UNISEX R.R. PLAN
A1A 1/4"=1'-0"

- SHEET NOTES -**
- RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION
 - INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING REFER TO SHEET S18 FOR ATTACHMENTS.
 - REFER TO SCHEDULE 15/A6 FOR ACCESSIBLE HEIGHTS @ TOILETS
 - FLOOR SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION

SYMBOLS LEGEND

#	DOOR (REFER TO SHEET A3 FOR TYPES)
X	DOOR HARDWARE TYPE REFER TO DOOR HARDWARE SCHEDULE
A	WINDOW (REFER TO SHEET A3 FOR TYPES)

DOOR HARDWARE SCHEDULE

A	EXTERIOR DOOR LOCKSET W/ LEVER RHODES SCHLAGE D702P
B	INTERIOR PASSAGE LOCK SCHLAGE ALIO W/ SATURN LEVER
C	INTERIOR PRIVACY LATCH SCHLAGE A40S W/ SATURN LEVER

Exterior Door
 A) Hinges: Hager 4-1/2X4-1/2 butts, 981275 US260, 1-1/2 pair each door with set screw in barrel and ball bearing design
 C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal. (5 lbs. max. pressure) (15 lbs. max at fire doors). Closing speed per C.B.C 11338.2.5.
 D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jams and head or equal.
 E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.

- STANDARD EQUIPMENT SCHEDULE -

- SEWER AND WATER STUB OUTS - SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHOULD BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHOULD BE COORDINATED BY THE MANUFACTURER.
- PIPING - WATER, COPPER TYPE "L", 95/5 SOLDER, WASTE DRAIN AND VENT ASS.
- TOILET TISSUE DISPENSER - BRADLEY MODEL 508-32 OR EQUAL
- TOILET PARTITIONS - ACCURATE SOLID PLASTIC OR EQUAL
- TOILET SEAT COVER - BOBRICK B-221 OR EQUAL

- BUILDING FIXTURE SCHEDULE -

MARK	FIXTURE	TYPE @ KINDERGARTEN	TYPE @ ELEMENTARY	TYPE @ ADULT	REMARKS
WC 1	WATER CLOSET	WALL MOUNT TYPE AMERICAN STANDARD MODEL AFWALL 2257.103 OR EQUAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL AFWALL 2257.103 OR EQUAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL AFWALL 2257.103 OR EQUAL	MOUNT AS SPECIFIED IN FLOOR PLANS
WC 2	WATER CLOSET	FLOOR MOUNT TANK TYPE AMERICAN STANDARD MODEL BABY DEVORO OR EQUAL	FLOOR MOUNT TANK TYPE AMERICAN STANDARD MODEL COLONY 2399.010 OR EQUAL	FLOOR MOUNT TANK TYPE AMERICAN STANDARD MODEL CADET 2898.012 OR EQUAL	MOUNT AS SPECIFIED IN FLOOR PLANS
WC 3	WATER CLOSET	FLOOR MOUNT FLUSH VALVE TYPE AMERICAN STANDARD MODEL BABY DEVORO 2282.010 OR EQUAL	FLOOR MOUNT FLUSH VALVE TYPE AMERICAN STANDARD MODEL MADERA 2234.015 OR EQUAL	FLOOR MOUNT FLUSH VALVE TYPE AMERICAN STANDARD MODEL MADERA 3043.102 OR EQUAL	FLUSH VALVE ZURN MODEL 26000 OR EQUAL MOUNT AS SPECIFIED IN FLOOR PLANS
L 1	LAVATORY	AMERICAN STANDARD MODEL LUCERNE 0356.421 OR EQUAL	---	---	AMERICAN STANDARD SINGLE CONTROL LAVATORY FAUCET MODEL 2175.205 MOUNT AS SPECIFIED IN FLOOR PLANS
L 2	LAVATORY	AMERICAN STANDARD MODEL LUCERNE 0355.012 OR EQUAL	---	---	AS SPECIFIED IN FLOOR PLANS
UR 1	URINAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL ALLBROOK 6541.132 OR EQUAL	---	---	FLUSH VALVE ZURN MODEL 26003 OR EQUAL MOUNT AS SPECIFIED IN FLOOR PLANS
M 1	MIRROR	WALL MOUNT TYPE BRADLEY MODEL 781-1830 OR EQUAL	---	---	MOUNT AS SPECIFIED IN FLOOR PLANS
GB 1	36" GRAB BARS	WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL R7436 (1 1/4" EXPOSED SCREW 36" & 42") OR EQUAL	---	---	18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)
GB 2	42" GRAB BARS	---	---	---	---
WH 1	WATER HEATER	RHEEM/LAS ENERGY MISER ELECTRIC WATER HEATER RHEEM POINT OF USE MODEL 81VP2S THRU 82V30-1 OR EQUAL	---	---	AVAILABLE IN 2 1/2, 6, 10, 15, 20 AND 30 GALLON MODELS MOUNT AS SPECIFIED IN FLOOR PLANS
FLS 1	FLOOR SINK	FLORESTONE FLOOR SINK MOLDED MOP RECEPTORS MODEL MSR-2424	---	---	AMERICAN STANDARD EXPOSED YOKE WALL MOUNT UTILITY FAUCET MODEL 8344.112
ULS 1	UTILITY SINK	WALL MOUNT TYPE ELIER RADFORD-SINK MODEL 241-0354	---	---	AMERICAN STANDARD EXPOSED YOKE WALL MOUNT UTILITY FAUCET MODEL 8344.112
FV 1	FLUSH VALVE	ZURN FLUSH VALVE MODEL EXPOSED 26000	---	---	FLOW OPTIONS: 1.6 GAL. LOW CONSUMPTION FLUSH WATER CLOSET VALVE MOUNT AS SPECIFIED IN FLOOR PLANS. HANDLE AT WIDE SIDE
FV 2	FLUSH VALVE	ZURN FLUSH VALVE MODEL EXPOSED 26003	---	---	FLOW OPTIONS: 1.0 GAL. LOW CONSUMPTION FLUSH 3/4" URINAL VALVE MOUNT AS SPECIFIED IN FLOOR PLANS. HANDLE AT WIDE SIDE
CS 1	CLASSROOM SINK	TEKA SINGLE BOWL SINK MODEL #256-413 OR EQUAL	---	---	AS SPECIFIED IN FLOOR PLANS
CS 1	KITCHEN SINK	TEKA DOUBLE BOWL SINK MODEL #336-413 OR EQUAL	---	---	AS SPECIFIED IN FLOOR PLANS

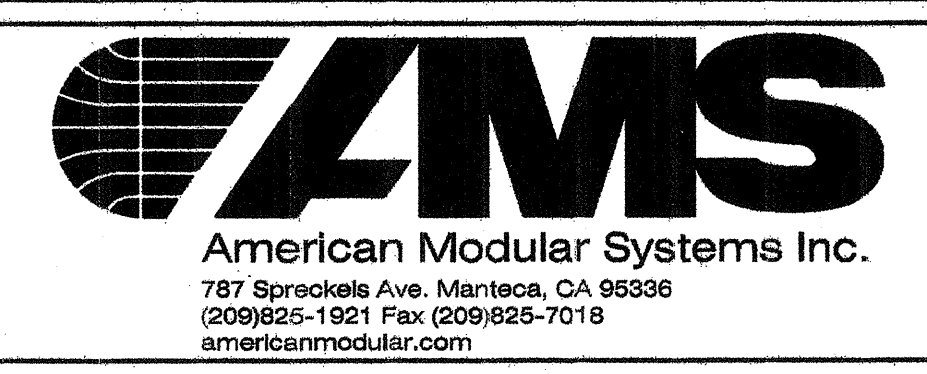
REVISIONS

NO	DATE	DESCRIPTION

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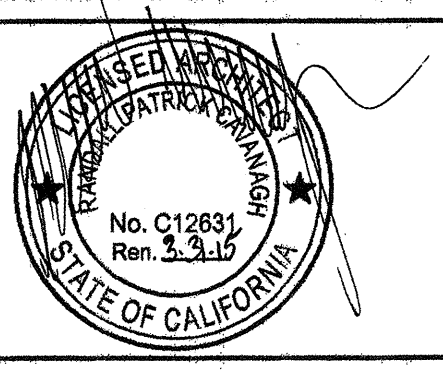
CUSTOMER:
 GLENDALE UNIFIED SCHOOL DISTRICT
 KEPPEL ELEMENTARY SCHOOL

48' - 228' x 40' 2 STORY BUILDING
 RESTROOM OPTION FLOOR PLANS



APPROVALS:

PROJECT No. PC

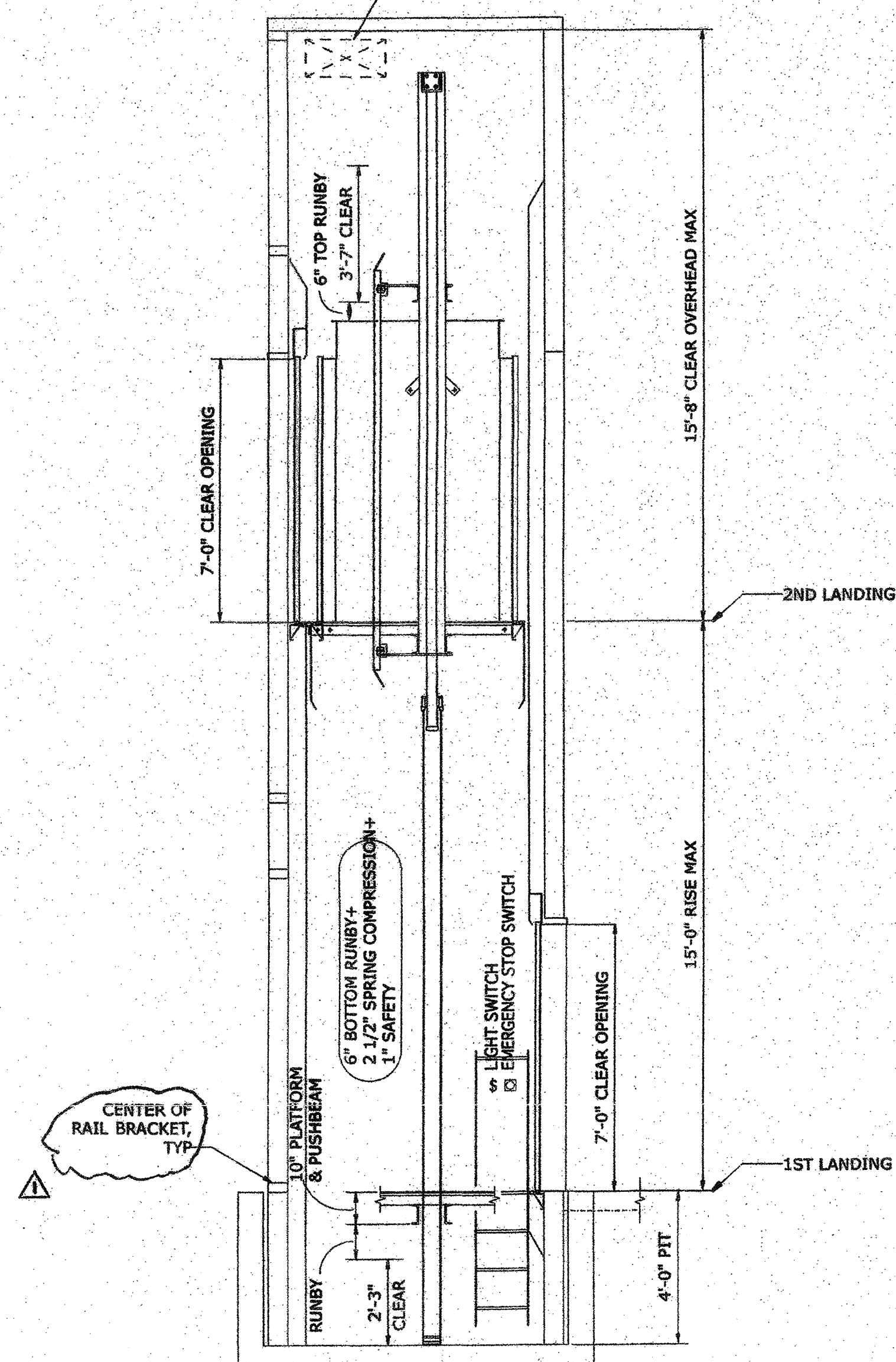


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 APPR 1 1 3 8 2 8
 AC/LL FLS/ST/SS/20
 DATE JUL 16 2011

A1A

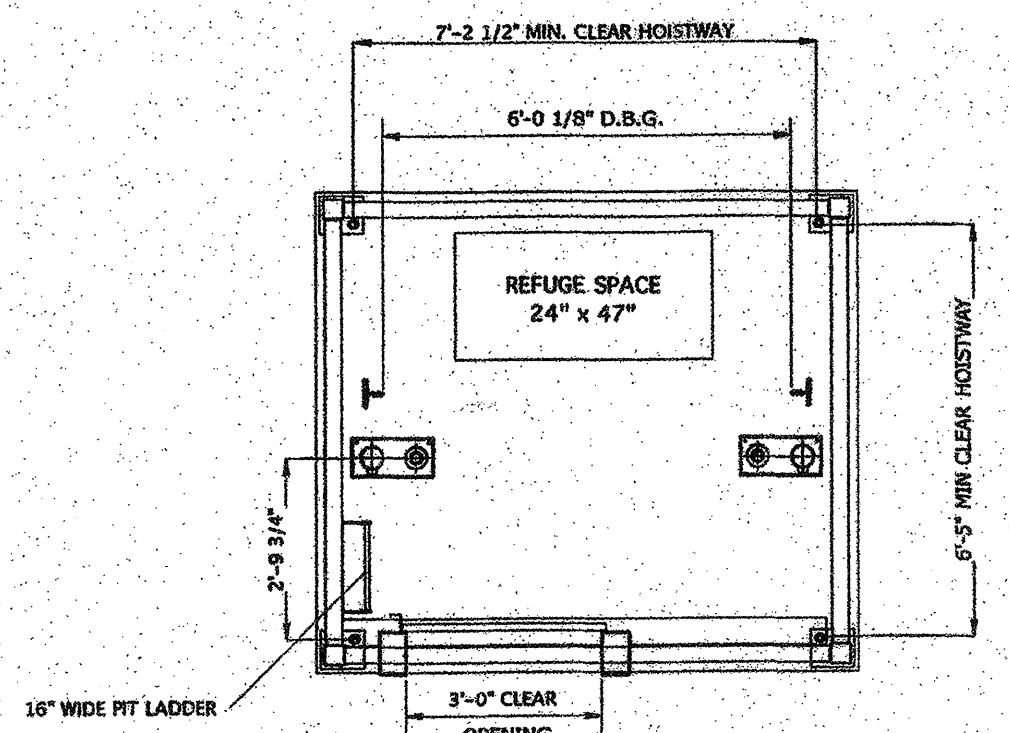
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VENT HOISTWAY PER CBC SECT. 903.4- ELEVATOR SHAFTS EXTENDING THROUGH MORE THAN TWO FLOOR LEVELS SHALL BE VENTED TO THE OUTSIDE. THE SIZE OF THE VENT SHALL NOT BE LESS THAN 3 1/2% OF THE AREA OF THE ELEVATOR SHAFT, PROVIDED A MINIMUM OF 3 SQ. FT. PER ELEVATOR IS PROVIDED. (BY OTHERS)

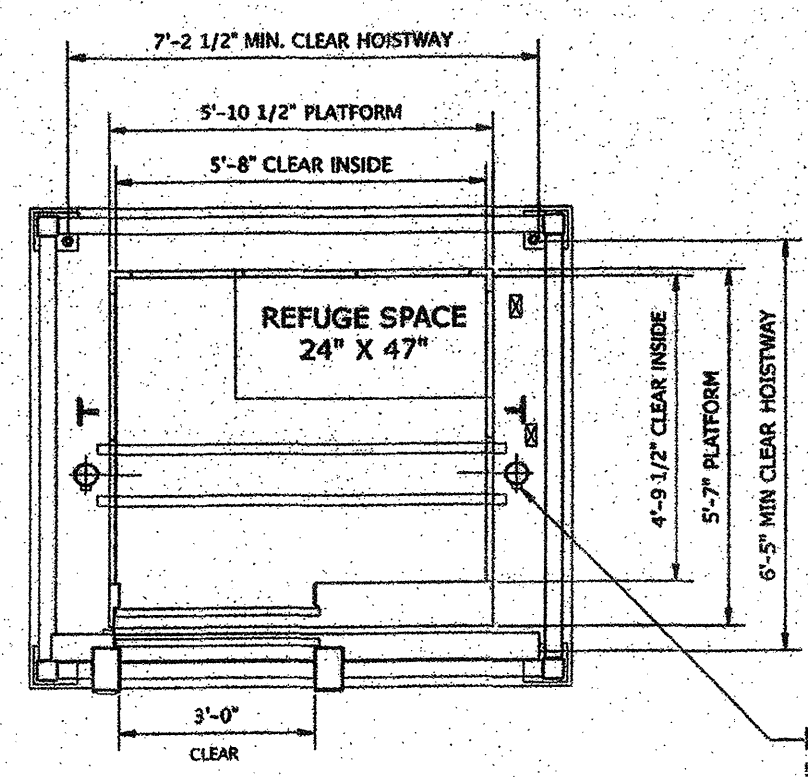


NOTE: THIS DETAIL DEPICTS ELEVATOR COMPONENTS ONLY. SEE STRUCTURAL DRAWINGS FOR FOUNDATION & HOISTWAY.

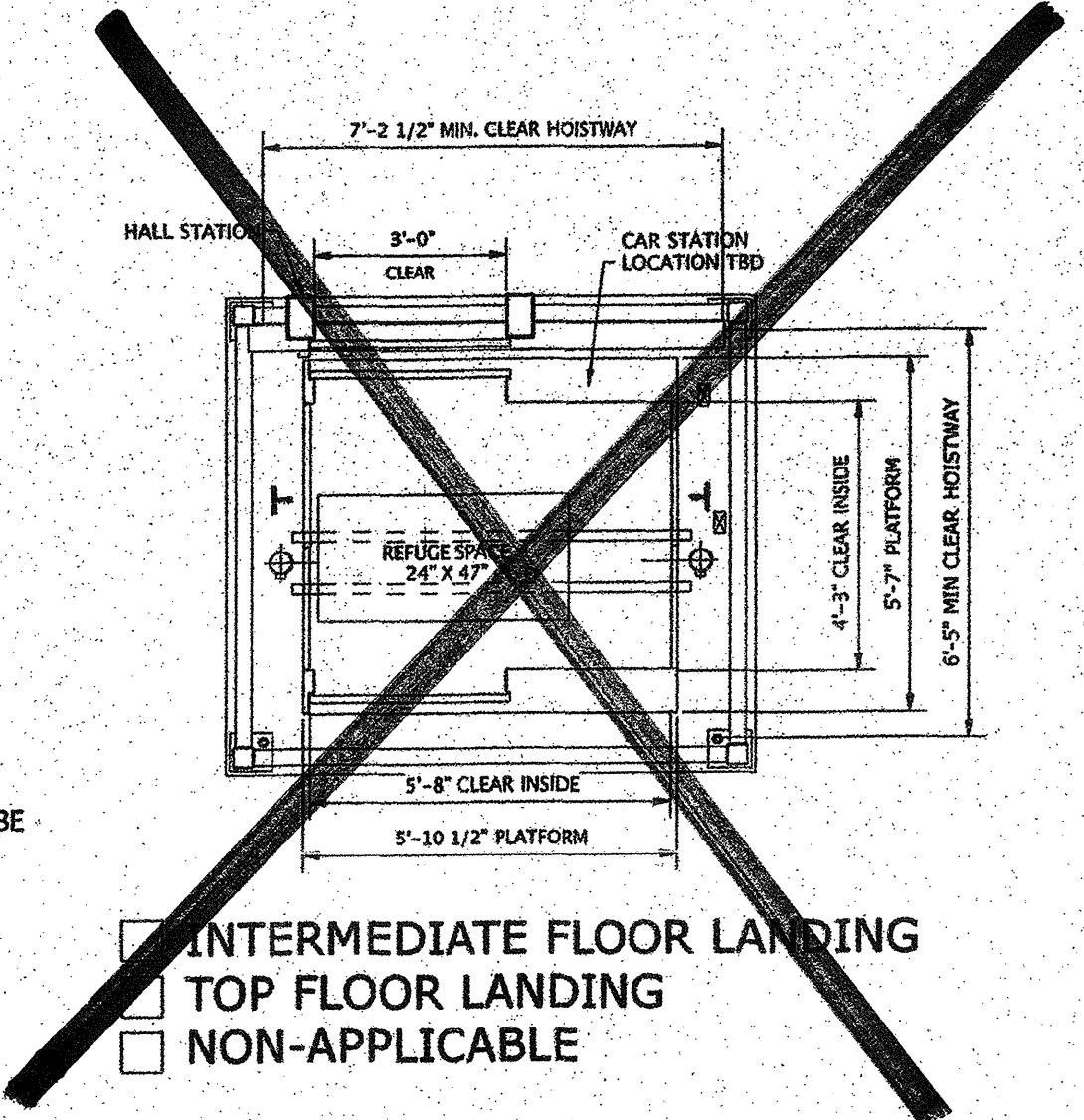
4
A2
HOISTWAY ELEVATION
3/8" = 1'-0"



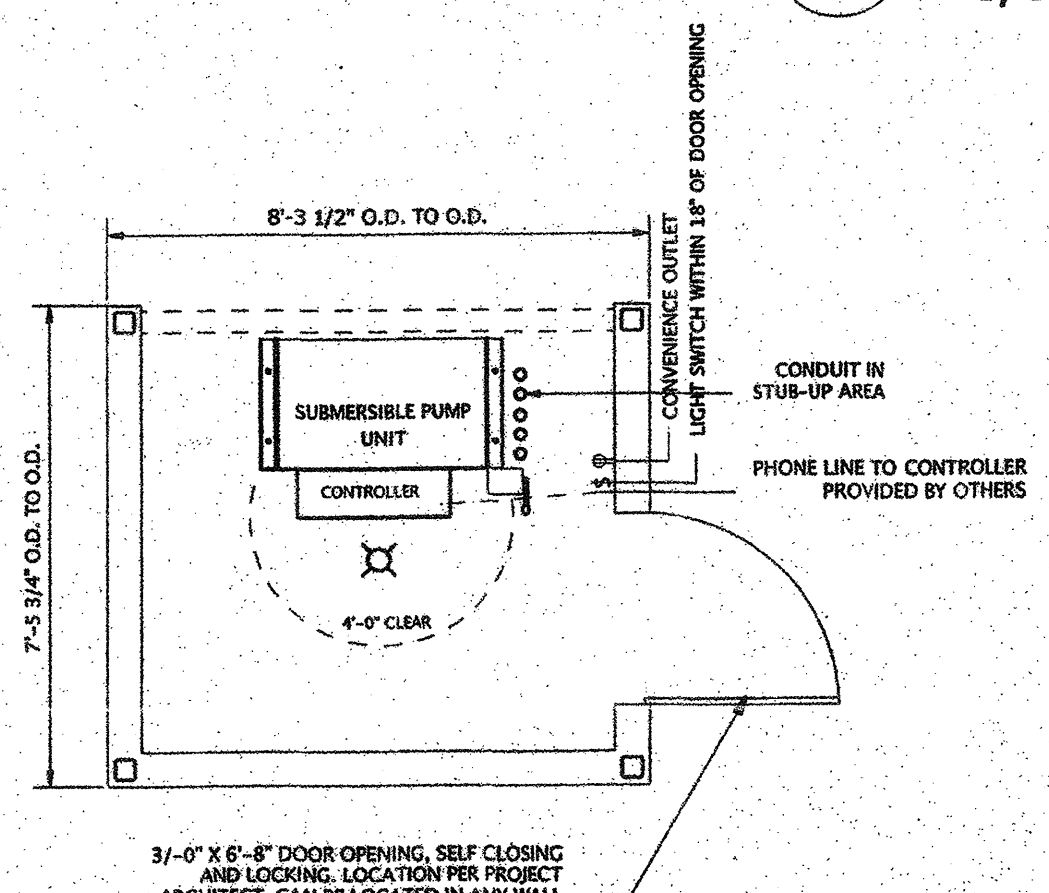
1
A2
BOTTOM FLOOR LANDING PLAN
3/8" = 1'-0"



INTERMEDIATE FLOOR LANDING
 TOP FLOOR LANDING



INTERMEDIATE FLOOR LANDING
 TOP FLOOR LANDING
 NON-APPLICABLE



NOTE: PUMP UNIT LOCATION TBD.

3
A2
EQUIPMENT ROOM PLAN
(EQUIPMENT LOCATIONS FOR REFERENCE ONLY)
3/8" = 1'-0"

INFORMATION	
TYPE:	PASSENGER
OPERATION:	2 STOP COLLECTIVE
CAPACITY:	2,500#
SPEED UP/DOWN:	100 FPM
LANDING:	2 MAX
OPERINGS:	2 MAX
TOTAL FLOORING:	TBD
PUMP UNIT DATA	
MOTOR:	TBD HP, TBD RPM
CLARITY:	TBD
PUMP:	TBD
VOLTS:	TBD
JACK ASSEMBLY	
RUNBY:	TBD
WALL THICKNESS:	TBD
CHARSET:	TBD
WALL THICKNESS:	TBD
PLATFORM	
WIDE:	5'-10 1/2"
WIDE OPEN:	5'-10 1/2"
WIDE:	5'-10 1/2"
WIDE:	5'-10 1/2"
HOISTWAY ENTRANCES	
TYPE:	SINGLE SPEED SIDE SLIDE, RIGHT HAND
WIDE:	5'-10 1/2"
WIDE:	5'-10 1/2"
WIDE:	5'-10 1/2"
WIDE:	5'-10 1/2"
WEIGHTS	
CAR RING & PLATFORM:	125# MAX
1/2 PLUNDER:	125# MAX
CAR WEIGHTS:	1,221-1,231#
ACCESSORIES:	250#
TOTAL CAR WEIGHT:	3,058# MAX
TOTAL RAIL LOAD:	5,558# MAX
REVISIONS	
DATE:	NO.
DATE:	NO.
APPROVAL	
THIS ARRANGEMENT APPROVED BY:	
DATE:	DATE:

COMPLIANCES

THIS EQUIPMENT IS DESIGNED ACCORDING TO THE REQUIREMENTS OF ANSI A 17.1 1996 SAFETY CODE FOR ELEVATORS, AND ALL LOCAL AND STATE CODES. THE FEATURES FOR THE BENEFIT OF THE HANDICAPPED ARE PROVIDED AS REQUIRED BY THE "AMERICANS WITH DISABILITIES ACT".

THE FOLLOWING REQUIREMENTS ARE TO BE PROVIDED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED:

- ALL PAINTING.
- CONCRETE FOUNDATION AND PIT.
- MACHINE ROOM SHALL BE VENTED AS PER TITLE 8.
- CRANE FOR SETTING OF ELEVATOR.
- QUALIFIED ELEVATOR CONTRACTOR TO INITIALIZE UNIT AND COMPLETE FIELD ADJUSTMENTS AS REQ'D.

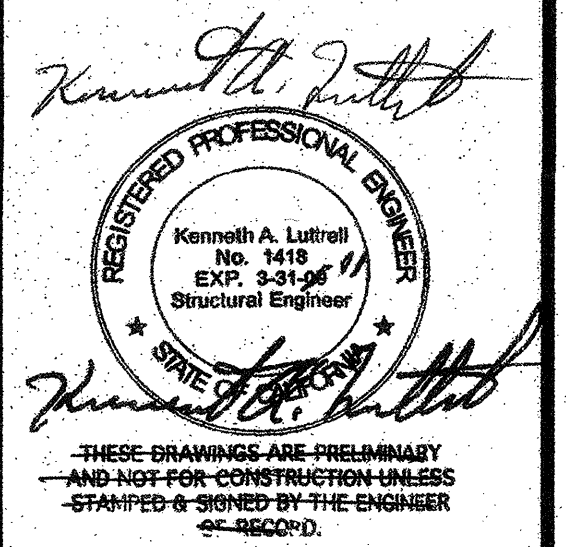
ELECTRICAL REQUIREMENTS

- A ___ VOLT, THREE PHASE, FOUR WIRE, 60 CYCLE A.C. POWER SUPPLY IS TO BE PROVIDED TO THE MACHINE ROOM AND CONNECTED TO THE SAFETY DISCONNECT SWITCH.
- IF MODULAR EQUIPMENT ROOM IS NOT PROVIDED, CIRCUIT BREAKERS OR DISCONNECTS SHALL BE PROVIDED, INSTALLED, AND WIRED BY OTHERS.
- IF MODULAR EQUIPMENT ROOM IS NOT PROVIDED, A 110 VOLT G.F.I. CONVENIENCE OUTLET TO BE INSTALLED AND WIRED IN MACHINE ROOM.
- CONNECTION OF HOISTWAY WIRING TO MACHINE ROOM EQUIPMENT.
- MODULAR TELEPHONE JACK IN MACHINE ROOM WITH A DEDICATED PHONE LINE.
- PROVIDE SMOKE DETECTOR AT EACH LOBBY LANDING (IF REQUIRED) & IN THE ELEVATOR EQUIPMENT ROOM. A PAIR OF WIRES ARE TO BE CONNECTED TO W/C BRY TERMINALS AT EACH LOBBY SMOKE DETECTOR & RETURNED TO THE ELEVATOR HOISTWAY WIRING. THE WIRES FOR THE MACHINE ROOM SMOKE DETECTOR ARE TO BE RETURNED TO THE PROPER CONNECTIONS IN THE ELEVATOR CONTROLLER.
- IF FIRE SPRINKLERS ARE INSTALLED IN THE HOISTWAY OR EQUIPMENT ROOM, PROVIDE AN AUTOMATIC MAIN POWER DISCONNECT TO THE AFFECTED ELEVATOR PRIOR TO APPLICATION OF WATER. SMOKE DETECTORS SHALL NOT BE USED TO ACTIVATE SPRINKLERS IN THE HOISTWAY OR MACHINE ROOM OR TO DISCONNECT THE MAIN POWER SUPPLY.
- THE FOLLOWING POWER IS ALSO REQUIRED TO BE PROVIDED AND INSTALLED INTO THE EQUIPMENT ROOM BY A CERTIFIED ELECTRICIAN:
 - 120 VOLT 20 AMP DEDICATED CIRCUIT FOR ELEVATOR CAR POWER/LIGHTING.
 - 120 VOLT 20 AMP DEDICATED CIRCUIT FOR HOISTWAY POWER/LIGHTING.
 - 120 VOLT 20 AMP DEDICATED CIRCUIT FOR MODULAR EQUIPMENT ROOM POWER/LIGHTING.

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DATE JUL 6 2011

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-109579
DATE 5/15/11

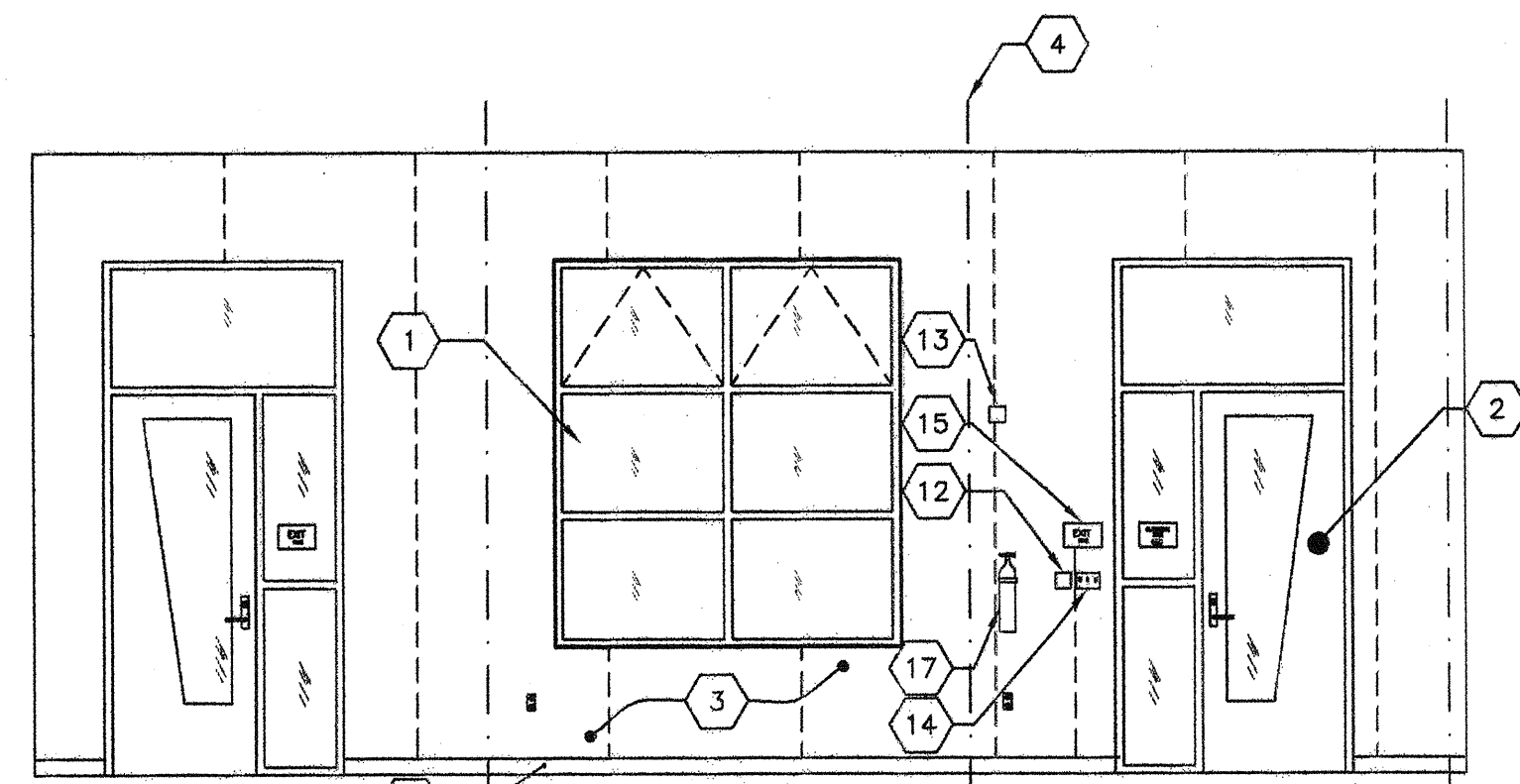
NO.	DATE	REVISION
1	5-5-08	REVISED PER PLAN PERMIT MIDDLEFIELD



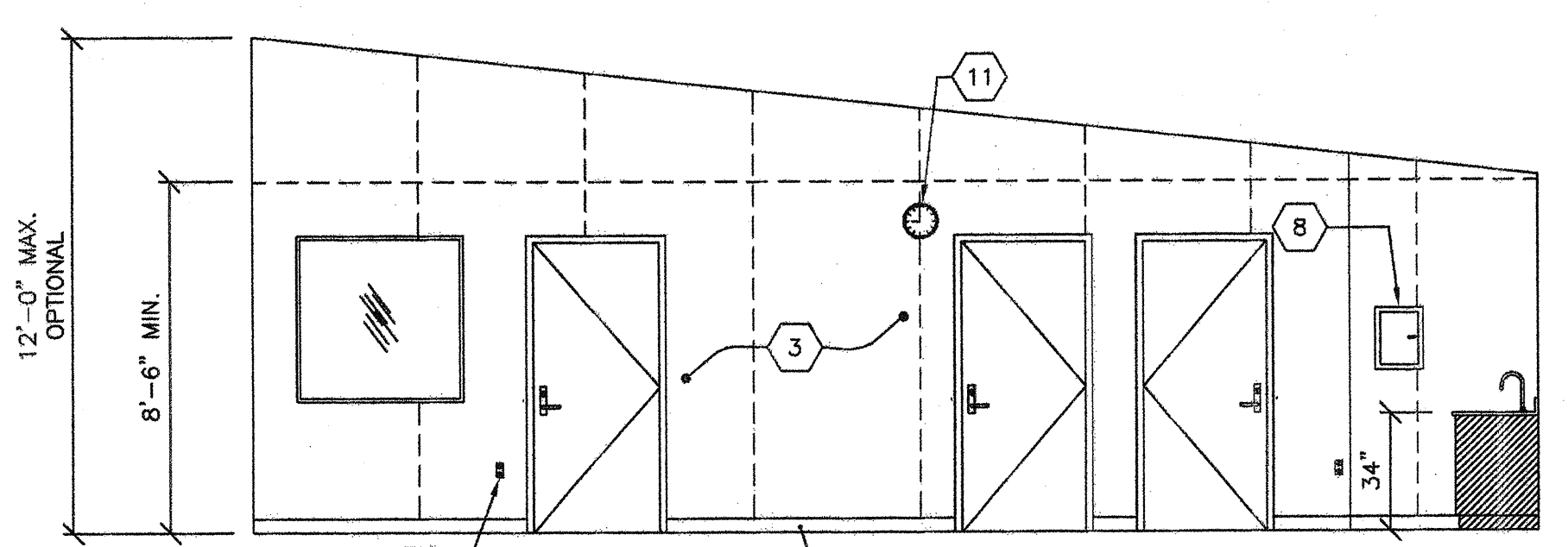
MODULAR ELEVATOR MANUFACTURING, INC.
P.O. BOX 3998
CHATSWORTH, CA. 91313
866-926-9083

PROJECT NO:
DATE: 4/17/08
ENGINEERED BY:
DRAWN BY: KPM
SHEET NAME:
HOLELESS ELEVATOR PLANS, DETAILS AND ELEVATION

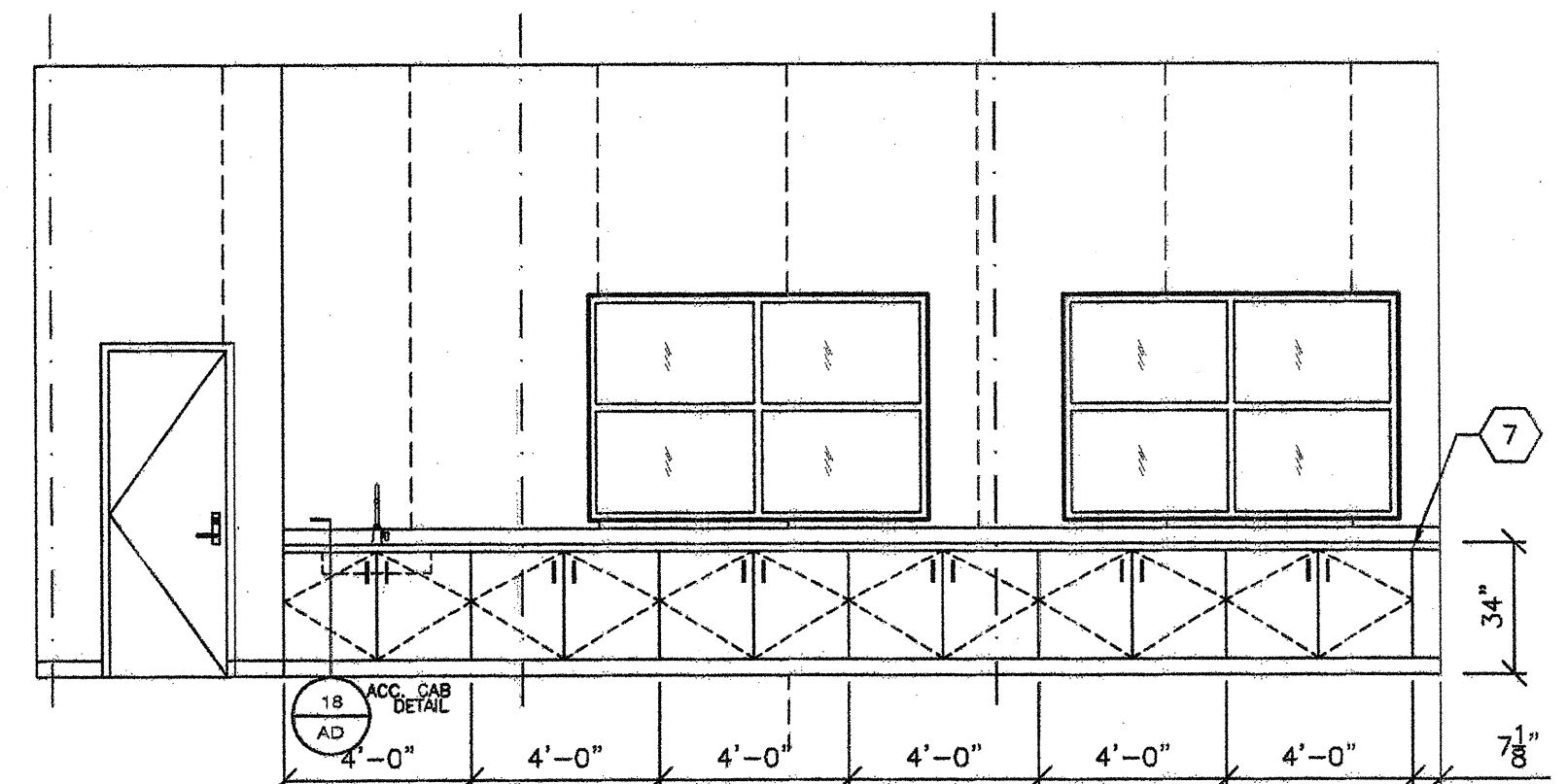
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A2



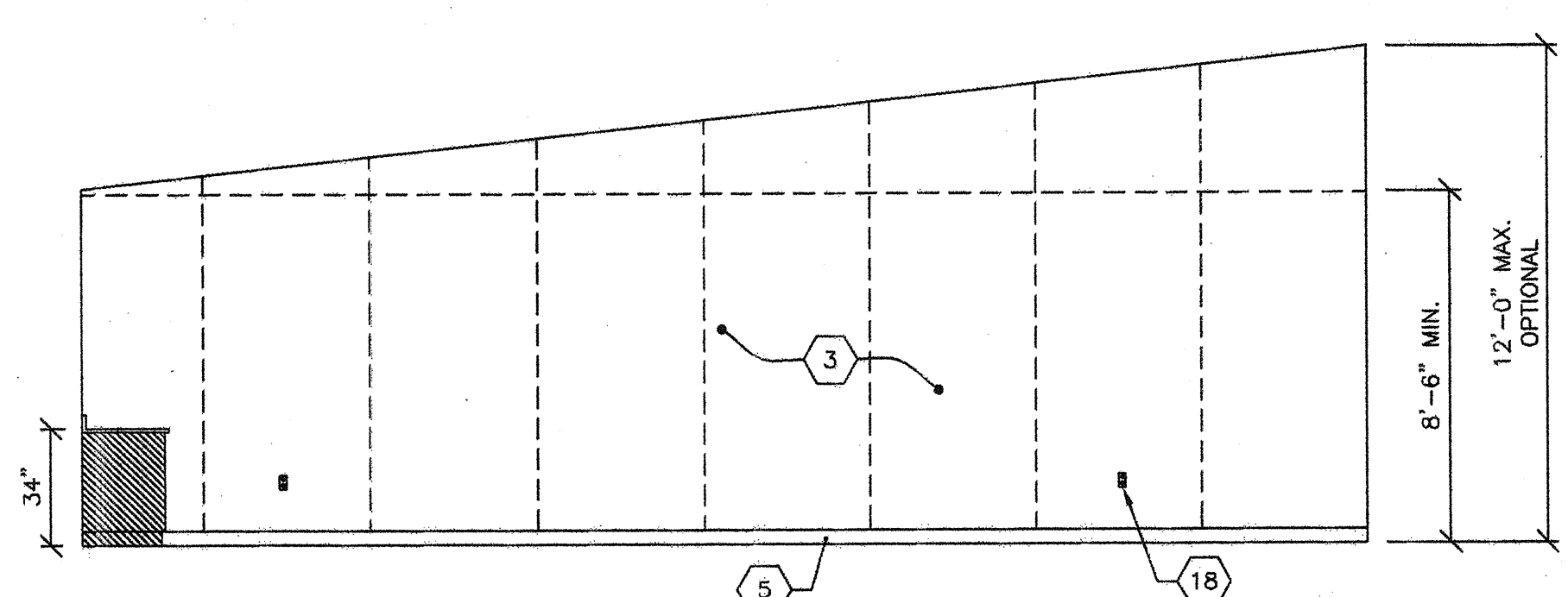
1 TYPICAL CLASSROOM FRONT END WALL ELEVATION
AS 1/4"=1'-0"



2 TYPICAL CLASSROOM SIDE WALL ELEVATION
AS 1/4"=1'-0"



3 TYPICAL CLASSROOM REAR END WALL ELEVATION
AS 1/4"=1'-0"



4 TYPICAL CLASSROOM SIDE WALL ELEVATION
AS 1/4"=1'-0"

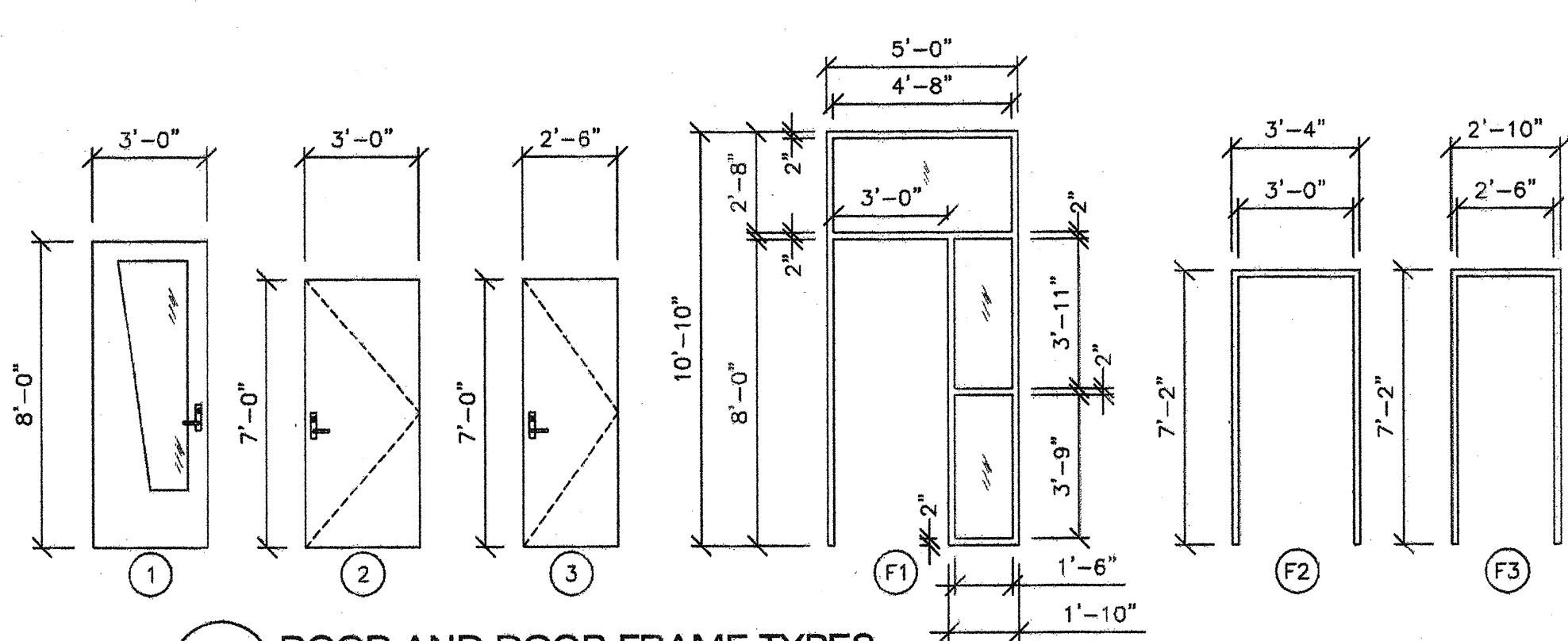
- KEY NOTES -
- 1 WINDOW TYP.
 - 2 TYP EXTERIOR DOOR
 - 3 VINYL WRAPPED TACKABLE WALLS
 - 4 TYP MOD LINE
 - 5 TOP SET BASE
 - 6 NOT USED
 - 7 BASE CABINET
 - 8 ELECTRICAL PANEL
 - 9 NOT USED
 - 10 NOT USED
 - 11 CLOCK
 - 12 PULL STATION J-BOX 48" A.F.F. SEE ELECTRICAL SHEETS
 - 13 HORN/STROBE J-BOX SEE ELECTRICAL SHEETS
 - 14 LIGHT SWITCH SEE ELECTRICAL SHEETS
 - 15 EXIT TACTILE SIGN PER DETAIL 10/AD (NIC)
 - 16 THERMOSTAT 48" A.F.F. SEE MECHANICAL SHEETS
 - 17 FIRE EXTINGUISHER TOP OF BRACKET @ +48" A.F.F. PROTRUSION MAX 4" FROM WALL. IF BOTTOM OF F.E. IS MORE THAN +27" A.F.F.
 - 18 TYP. DUPLEX OUTLET (SEE ELECTRICAL SHEETS)
 - 19 OPTIONAL SLOPED CEILING

ROOM FINISHES SCHEDULE							DOOR SCHEDULE										
ROOM NUMBER	ROOM NAME	FINISHES					REMARKS	DOOR NO.	FRAME OPENING SIZE	MATERIAL	FRAME RATING	HARDWARE SET NO.	QUANTITY	MATERIAL	HEAD DETAIL	JAMB DETAIL	REMARKS
		FLOOR	BASE	FRONT	REAR	RIGHT											
#	MUSIC ROOM	A	D	F	F	F	J	8'-6" TO 12'-0" MAX	①	3'-0" x 7'-0"	HM	F1	A	2	STL 5/AAA	5/AAA	
#	OFFICE	A	D	F	F	F	J	8'-6" TO 12'-0" MAX	②	3'-0" x 7'-0"	HM	F2	A	1	STL 5/AAA	5/AAA	
#	EQUIPMENT ROOM	A	D	F	F	F	J	8'-6" TO 12'-0" MAX	③	2'-6" x 7'-0"	HM	F3	A	1	STL 5/AAA	5/AAA	
#	PRACTICE ROOM	A	D	F	F	F	J	8'-6" TO 12'-0" MAX									

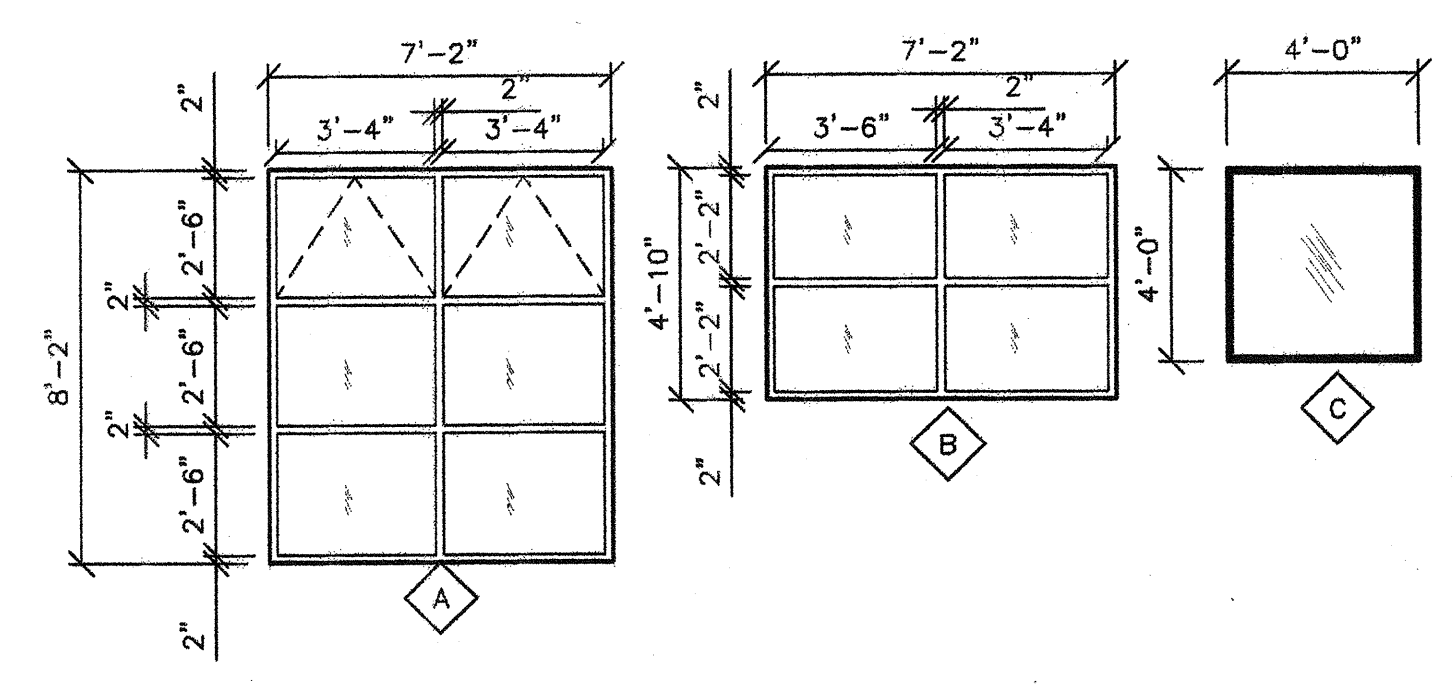
WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE	U-FACTOR	SHGC
①	2	HPPER	7'-2"	8'-2"	BRONZE	SOLAR GRAY	0.780	0.430
②	3	FIXED	7'-2"	4'-10"	BRONZE	SOLAR GRAY	0.780	0.430
③	1	FIXED	4'-0"	4'-0"	ALUM.	CLEAR	0.780	0.430

EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.

A - CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN.
 B - VINYL SHEET FLOORING
 C - VCT, ARMSTRONG STANDARD OR EXCELON
 D - TOP SET BASE, 4" BURKE
 E - TOP SET BASE, 6" BRINGMANTINE OR SANDOVAL
 F - WALL FINISH, 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
 G - 1/2" W.R. GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
 H - 1/2" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
 I - 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD
 J - ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
 K - 1/2" VINYL TACKBOARD CLASS 1 OVER 5/8" TYPE "X" GYP BOARD BACKING
 L - 5/8" TYPE "X" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH



5 DOOR AND DOOR FRAME TYPES
AS 1/4"=1'-0"



6 WINDOW TYPES
AS 1/4"=1'-0"

REVISIONS

NO.	DATE	DESCRIPTION

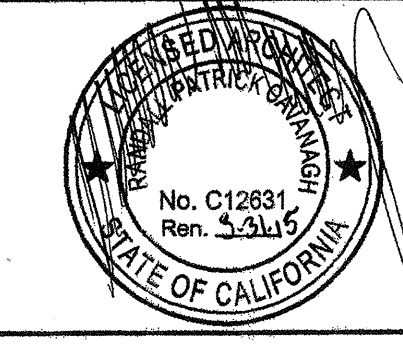
DATE: 06/06/2011
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 DRAWN BY: D.M.
 SERIAL NO.:

CUSTOMER:
 GLENDALE UNIFIED SCHOOL DISTRICT
 KEPPEL ELEMENTARY SCHOOL

40' x 32' GENERATION 7 PREFABRICATED BUILDINGS
 TYPICAL INTERIOR ELEVATIONS



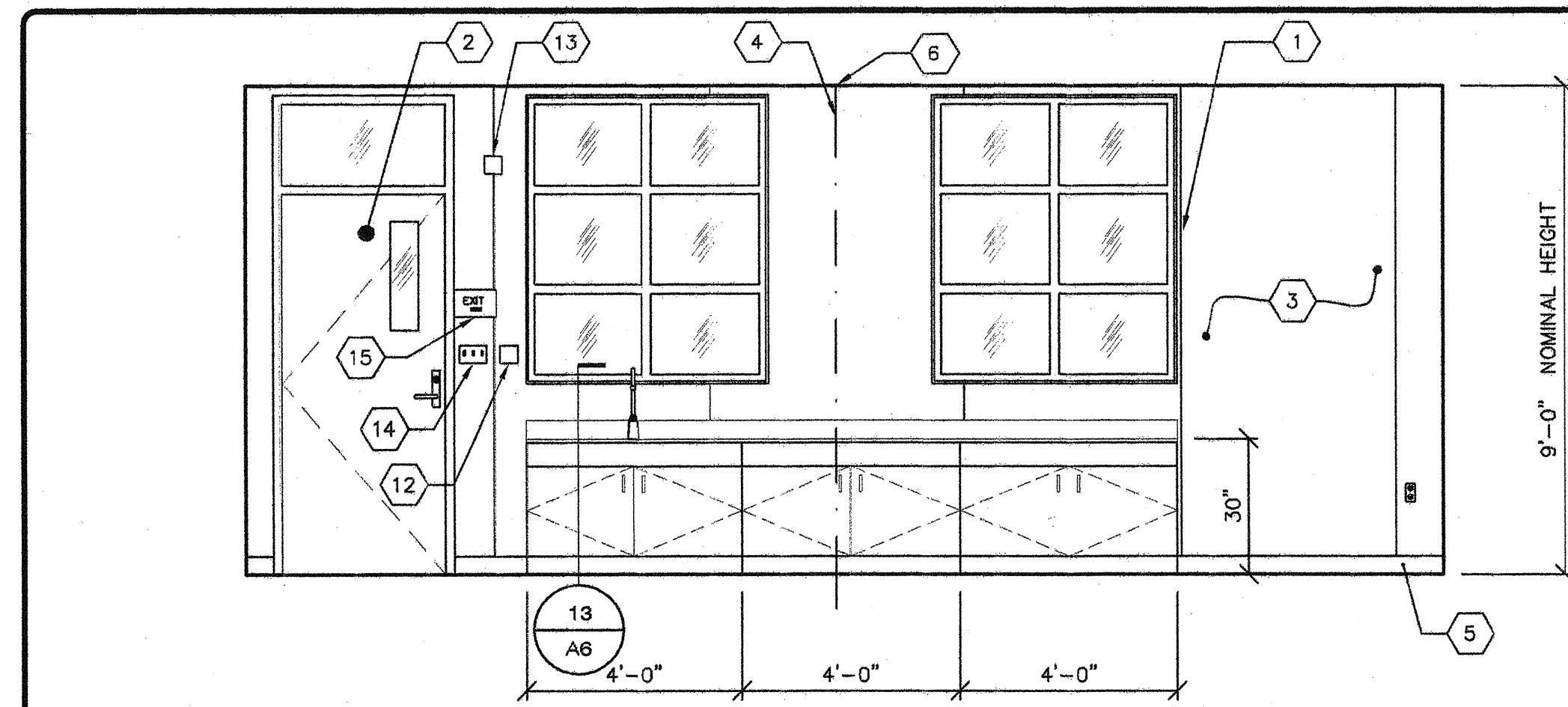
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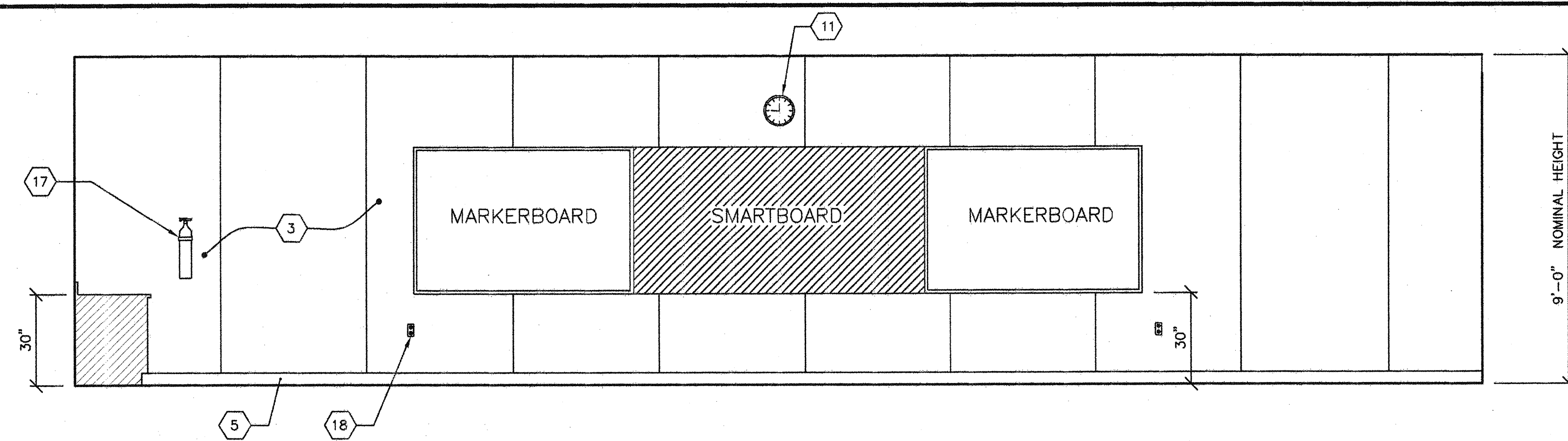
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 DIV. OF THE STATE ARCHITECT
 APPR 3 1 1 3 8 2 8
 DATE: JUL 6 2011

PROJECT No.
A3

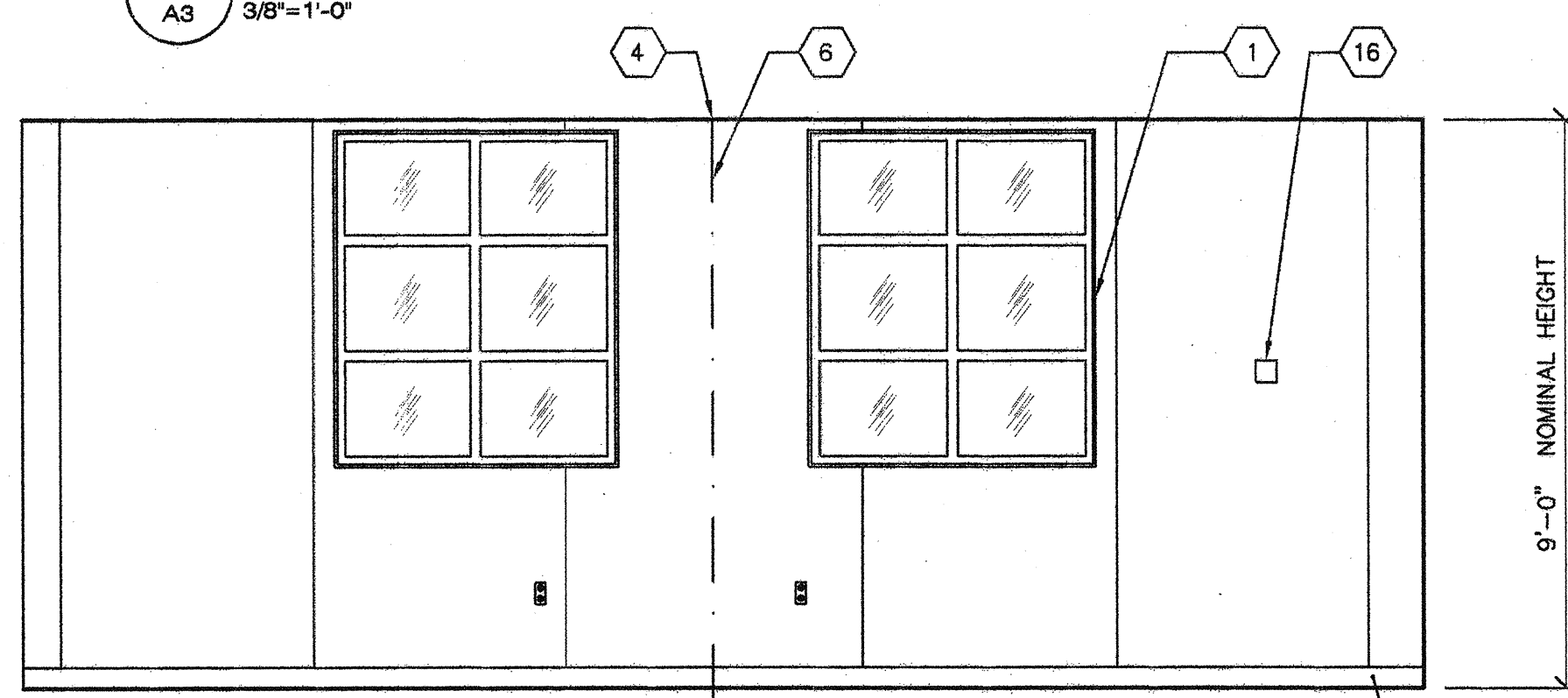
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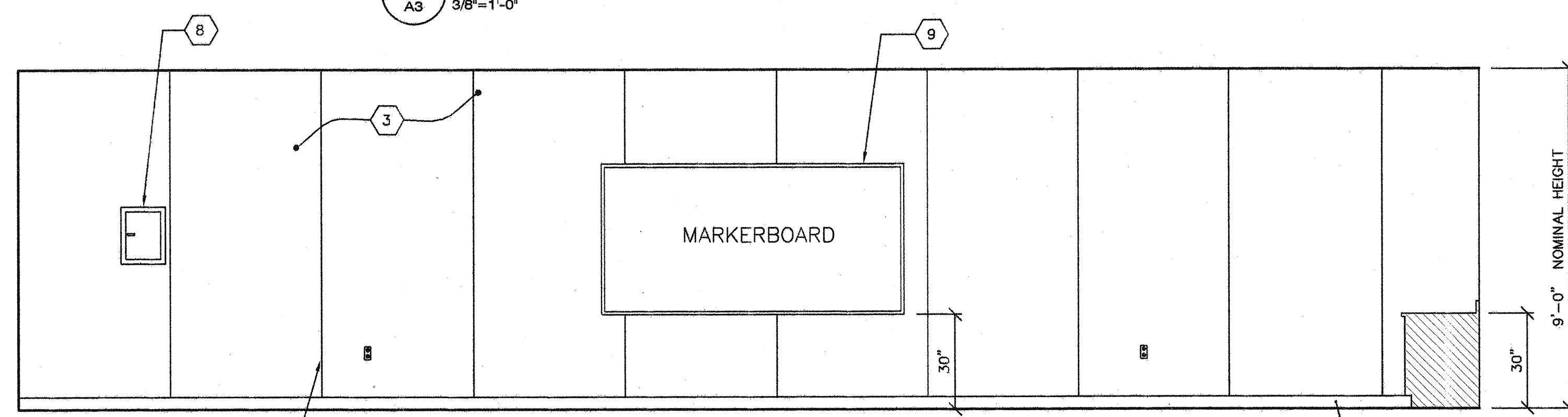
1 TYPICAL CLASSROOM FRONT END WALL ELEVATION
A3 3/8"=1'-0"



3 TYPICAL CLASSROOM SIDE WALL ELEVATION
A3 3/8"=1'-0"



2 TYPICAL CLASSROOM REAR END WALL ELEVATION
A3 3/8"=1'-0"



4 TYPICAL CLASSROOM SIDE WALL ELEVATION
A3 3/8"=1'-0"

- KEY NOTES -
- 1 WINDOW SEE SPEC'S
 - 2 TYP EXTERIOR DOOR
 - 3 VINYL WRAPPED TACKABLE WALLS
 - 4 TYP MOD LINE
 - 5 TOP SET BASE
 - 6 TRIM PANEL (FIELD INSTALL)
 - 7 NOT USED
 - 8 ELECTRICAL PANEL
 - 9 MARKER BOARDS
 - 10 NOT USED
 - 11 CLOCK
 - 12 PULL STATION J-BOX SEE ELECTRICAL SHEETS
 - 13 HORN/STROBE J-BOX SEE ELECTRICAL SHEETS
 - 14 LIGHT SWITCH SEE ELECTRICAL SHEETS
 - 15 EXIT TACTILE SIGN @ FIRST FLOOR PER DETAIL 10/A6 (NIC)
 - 16 THERMOSTAT SEE MECHANICAL SHEETS
 - 17 FIRE EXTINGUISHER TOP OF BRACKET @ +48" AFF PROTRUSION MAX 4" FROM WALL OR BOTTOM FE LESS THAN +27" A.F.F
 - 18 TYP DUPLEX OUTLET SEE ELECTRICAL SHEETS

ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	REMARKS
				FRONT	REAR	RIGHT	LEFT			
101	CLASSROOM	A	D	F	F	F	J	9'-0"		
102	CLASSROOM	A	D	F	F	F	J	9'-0"		
103	CLASSROOM	A	D	F	F	F	J	9'-0"		
104	CLASSROOM	A	D	F	F	F	J	9'-0"		
105	CLASSROOM	A	D	F	F	F	J	9'-0"		
106	CLASSROOM	A	D	F	F	F	J	9'-0"		
107	CLASSROOM	A	D	F	F	F	J	9'-0"		
201	CLASSROOM	A	D	F	F	F	J	9'-0"		
202	CLASSROOM	A	D	F	F	F	J	9'-0"		
203	CLASSROOM	A	D	F	F	F	J	9'-0"		
204	CLASSROOM	A	D	F	F	F	J	9'-0"		
205	CLASSROOM	A	D	F	F	F	J	9'-0"		
206	CLASSROOM	A	D	F	F	F	J	9'-0"		
207	CLASSROOM	A	D	F	F	F	J	9'-0"		
	LOW VOLTAGE ROOM	A	D	F	F	F	J	9'-0"		
	BOYS RESTROOM	B	E	I	I	I	J	9'-0"		
	GIRLS RESTROOM	B	E	I	I	I	J	9'-0"		
	STAFF RESTROOM	B	E	I	I	I	J	9'-0"		
205	WORK ROOM	A	D	F	F	F	J	9'-0"		
	JANITOR	B	E	I	I	I	J	9'-0"		

DOORS		FRAMES	
DOOR NO.	FRAME OPENING SIZE	MATERIAL	FRAME TYPE
1	3'-0" x 7'-0"	HM	F1
2	3'-0" x 7'-0"	HM	F1
3	2'-0" x 7'-0"	HM	F2

HM - HOLLOW METAL
AL - ALUMINUM
SST - STAINLESS STEEL
STL - STEEL FRAME, 16 GA. FULLY WELDED
WWF - WINDOW WALL FRAME
SC - SOLID CORE WOOD
HC - HOLLOW CORE WOOD

FOR HARDWARE DESCRIPTION REFER TO DOOR HARDWARE SCHEDULE SHEETS A1 & A1A

A - CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN. (CARPET SHALL BE SECURELY ATTACHED, HAVE FIRM CUSHION, PAD OR BACKING OR NONE AT ALL AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT PILE OR LEVEL-CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2" INCH. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 1124B.3.)

B - VINYL SHEET FLOORING SHALL BE SLP RESISTANT AND SHALL COMPLY WITH SECTION 1120B.2

C - VCT, ARMSTRONG STANDARD OR EXCELON

D - TOP SET BASE, 4" BURKE

E - TOP SET BASE, 6" BRINGANTINE OR SANDOVAL

F - WALL FINISH, 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING

G - 1/2" W.R. GYP BOARD, TAPE, TEXTURE, PAINTED FINISH

H - 1/2" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH

I - 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD

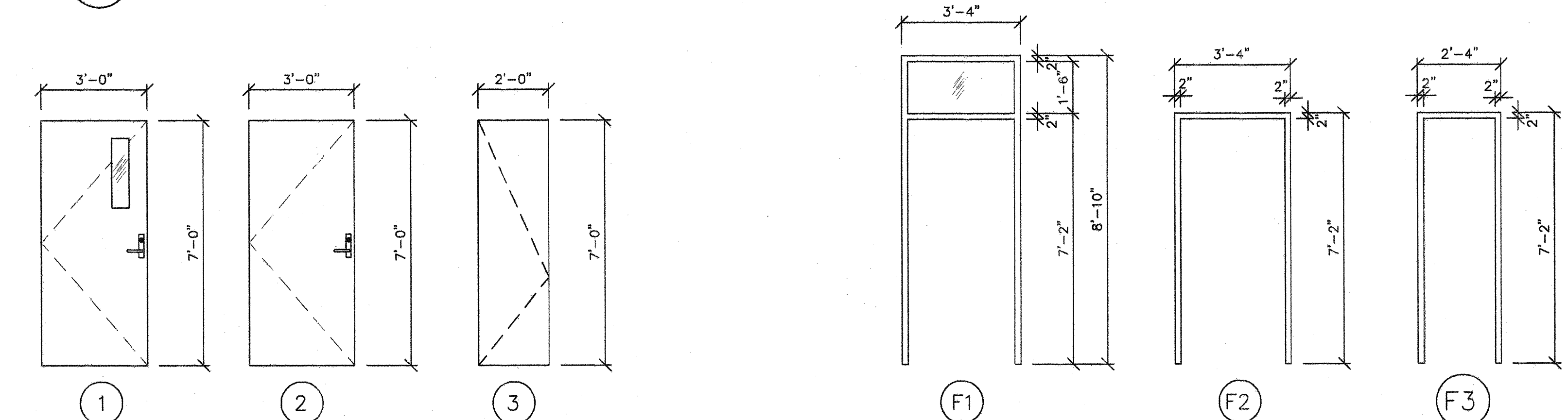
J - ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)

K - 1/2" VINYL TACKBOARD CLASS 1 OVER 5/8" TYPE "X" GYP BOARD BACKING

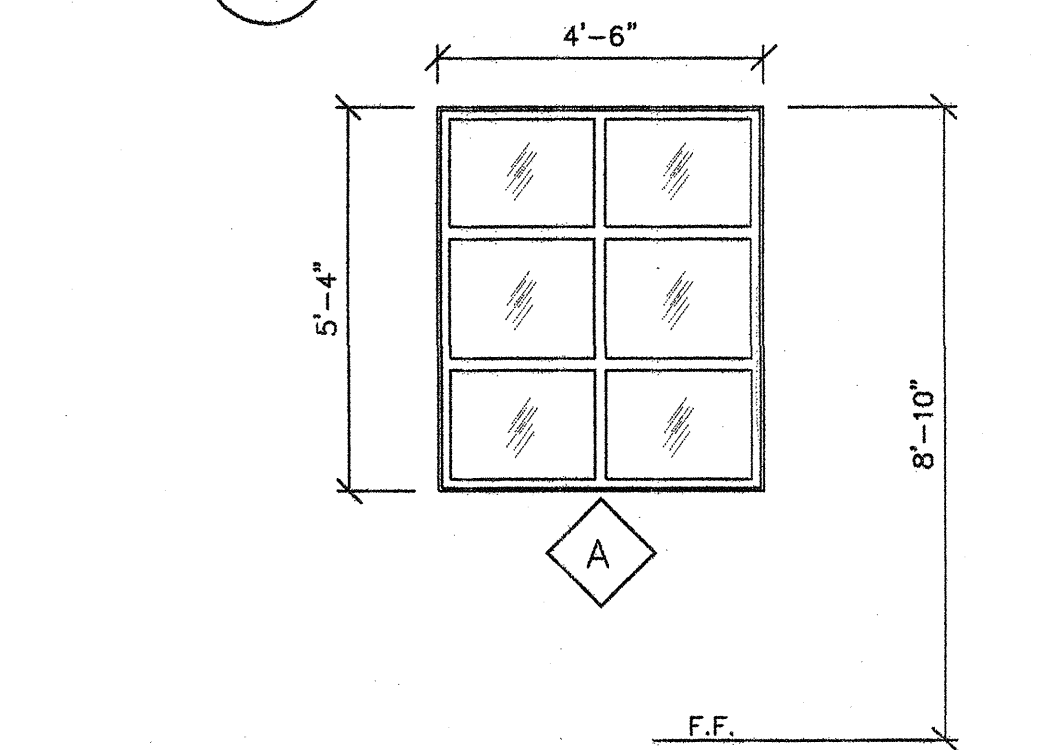
L - 5/8" TYPE "X" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH

WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	CLASS TYPE
1	58	SLIDER	4'-6"	5'-4"	BRONZE	SOLAR GRAY

EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.



5 DOOR AND DOOR FRAME TYPES
A3 3/8"=1'-0"



6 WINDOW TYPES
A3 3/8"=1'-0"

NO	DATE	DESCRIPTION

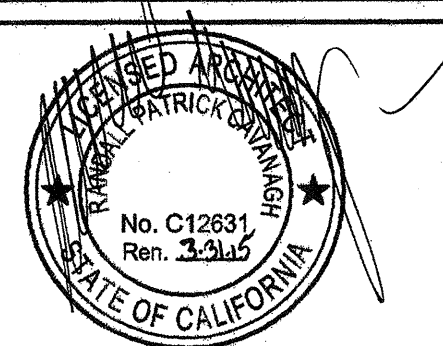
DATE: 03/07/2011
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

48' - 228' x 40' 2 STORY BUILDING
TYPICAL INTERIOR ELEVATIONS



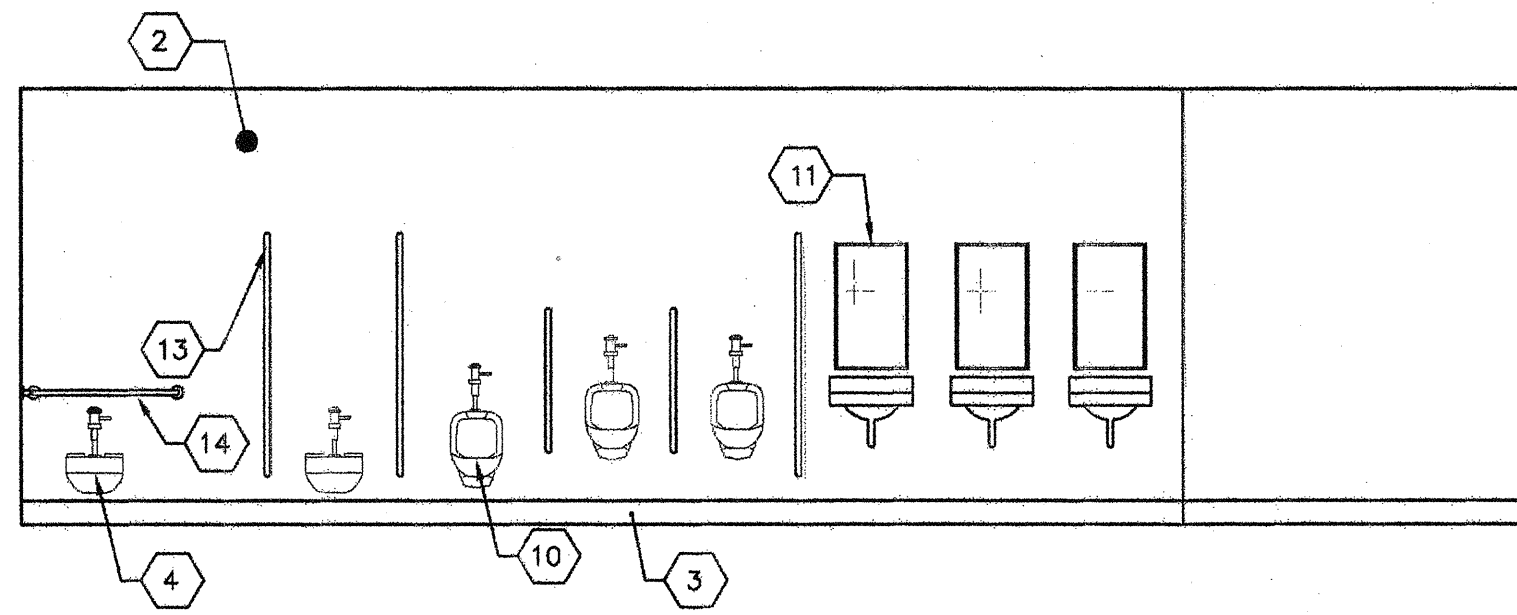
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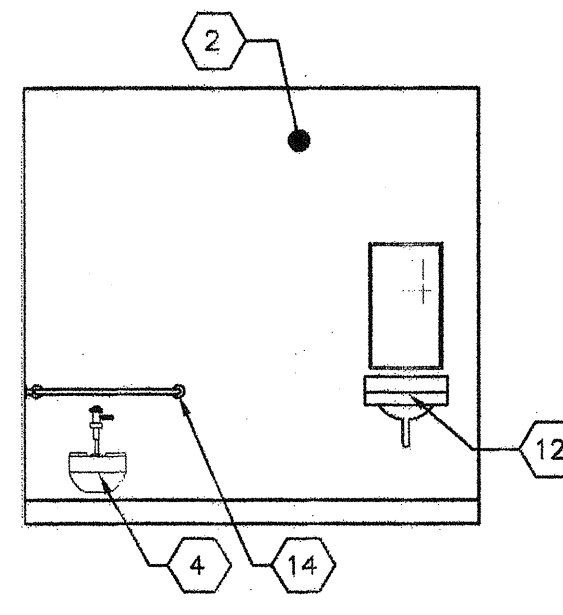
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 1 1 3 8 2 8
ACAN, FLS, PLS, SS, JD
DATE: JUL 08 2011

PROJECT No.
PC
A3

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1 RESTROOM ELEVATION
 A3A 1/4"=1'-0" (BOYS)

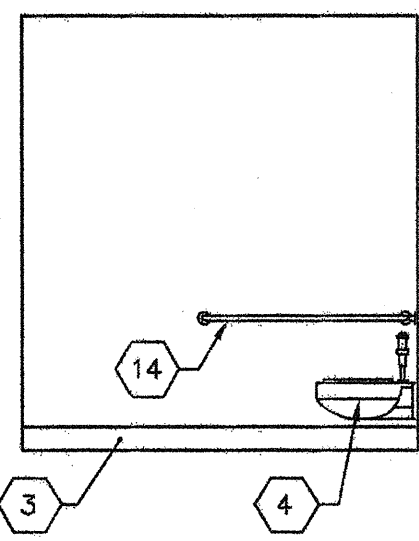


7 RESTROOM ELEVATION
 A3A 1/4"=1'-0" (UNISEX)

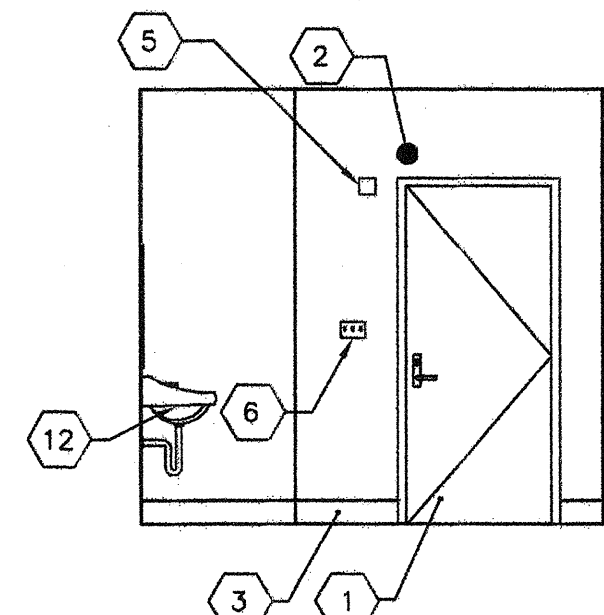
- KEY NOTES -

1 TYP. EXTERIOR DOOR	10 ACCESSIBLE URINAL
2 F.R.P., FIBER REINFORCED PLASTIC	11 TYP. MIRROR
3 6" BASE	12 ACCESSIBLE LAVATORY
4 ACCESSIBLE TOILET	13 TOILET PARTITION
5 HORN/STROBE J-BOX SEE ELECTRICAL SHEETS	14 GRAB BAR
6 LIGHT SWITCH SEE ELECTRICAL SHEETS	
7 NOT USED	
8 TYP. GFCI OUTLET (SEE ELECTRICAL SHEETS)	
9 NOT USED	

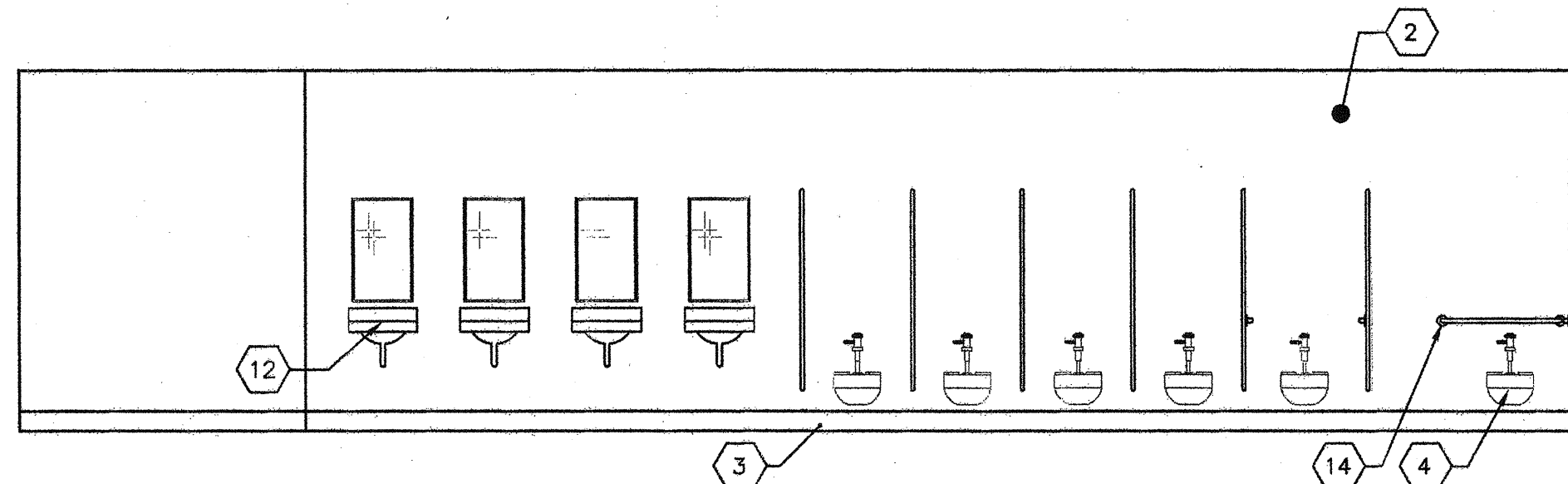
NOTE: ALL INTERIOR SURFACE REQUIREMENTS PER CBC CHAPTER 11 REFER TO SHEET A6 DETAIL 15 FOR REQUIRED HEIGHTS



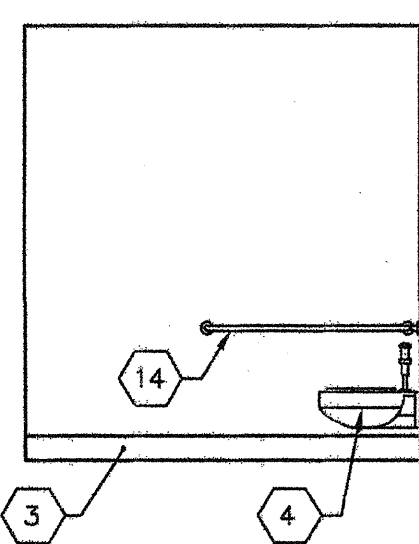
2 RESTROOM SIDEWALL ELEV.
 A3A 1/4"=1'-0" (BOYS)



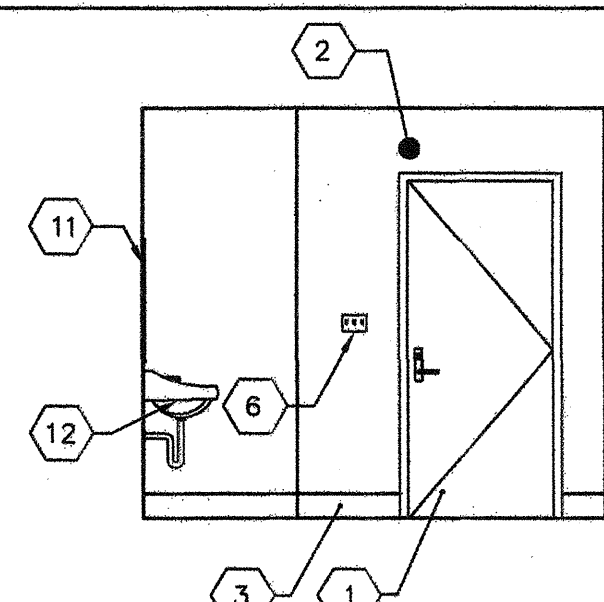
3 RESTROOM SIDEWALL ELEV.
 A3A 1/4"=1'-0" (BOYS)



4 RESTROOM ELEVATION
 A3A 1/4"=1'-0" (GIRLS)



5 RESTROOM SIDEWALL ELEV.
 A3A 1/4"=1'-0" (GIRLS)



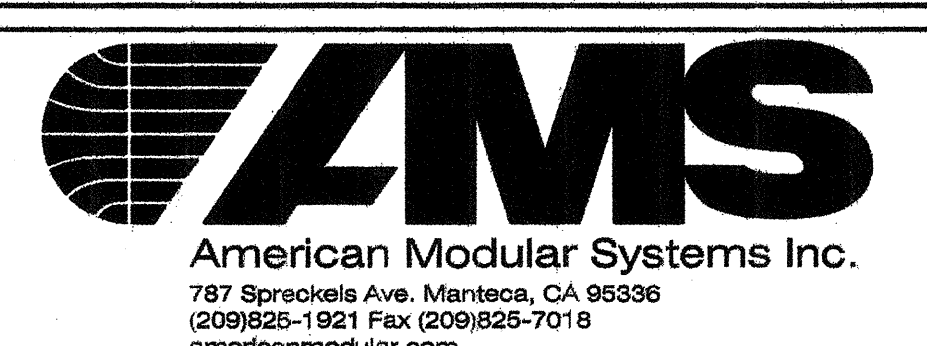
6 RESTROOM SIDEWALL ELEV.
 A3A 1/4"=1'-0" (GIRLS)

REVISIONS		
NO.	DATE	DESCRIPTION

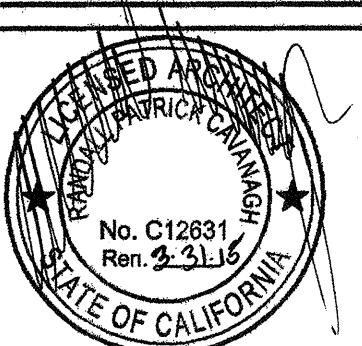
DATE: 03/03/2011
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 GLENDALE UNIFIED SCHOOL DISTRICT
 KEPPEL ELEMENTARY SCHOOL

48' - 228' x 40' 2 STORY BUILDING
 TYPICAL RESTROOM ELEVATIONS



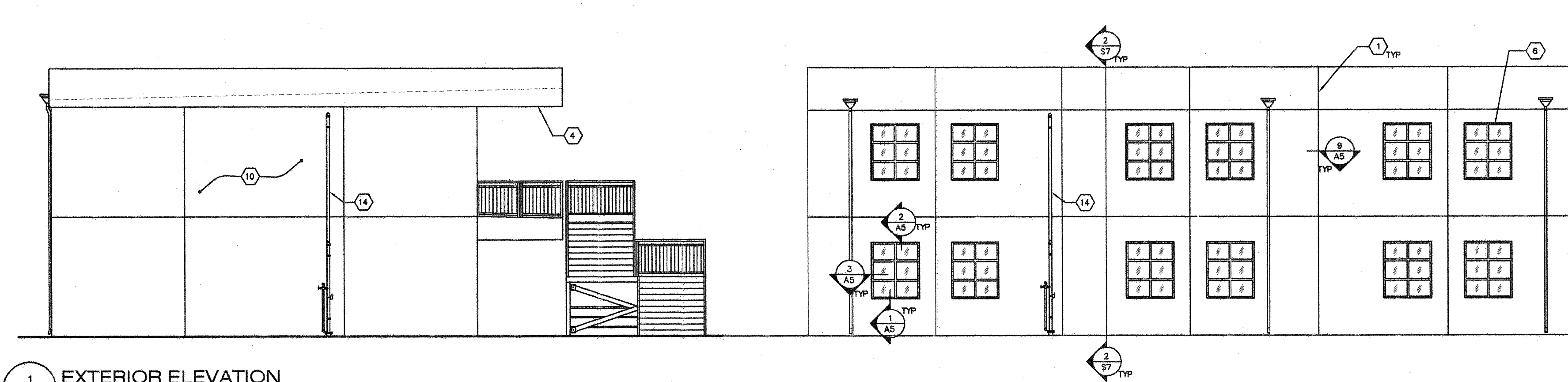
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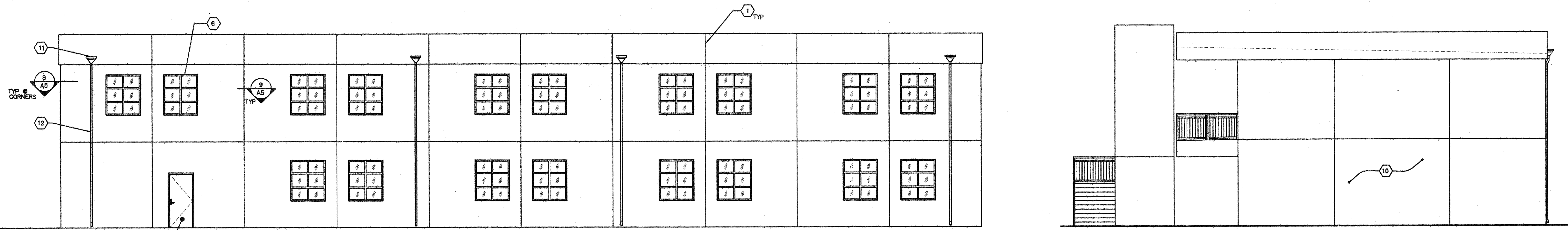
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP03 1 1 8 8 2 8
 AC 11/15/ST-HSS ED
 DATE JUL 08 2011

PROJECT No.
A3A

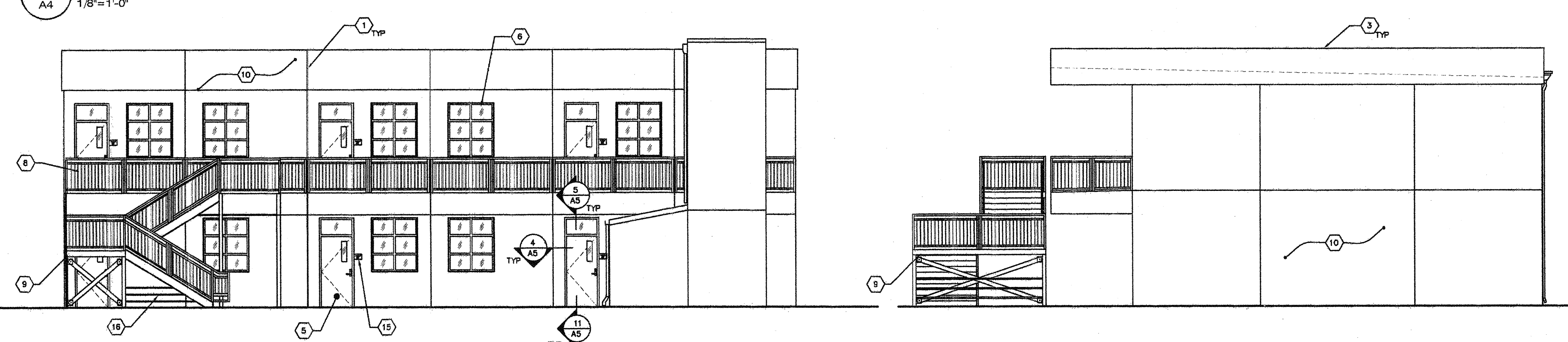
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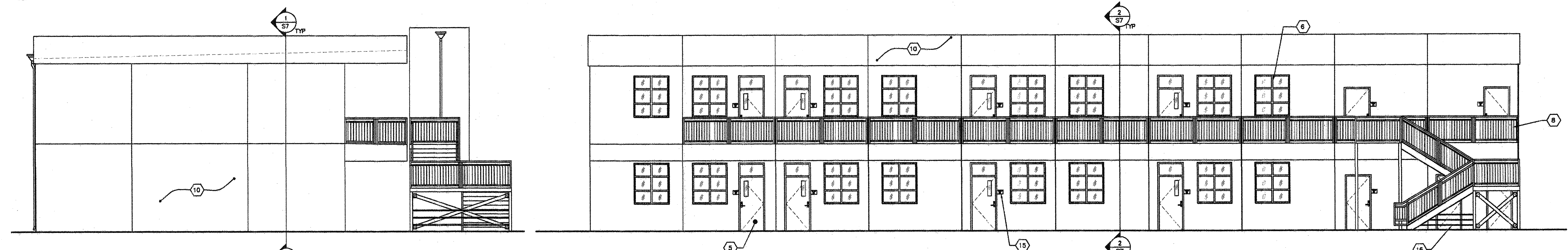
1 EXTERIOR ELEVATION
A4 1/8"=1'-0"



2 EXTERIOR ELEVATION
A4 1/8"=1'-0"

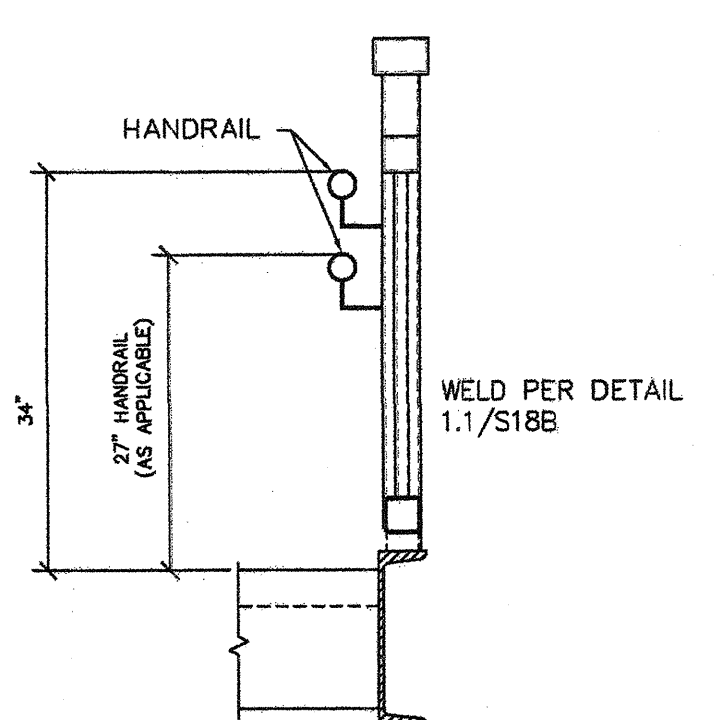


3 EXTERIOR ELEVATION
A4 1/8"=1'-0"



4 EXTERIOR ELEVATION
A4 1/8"=1'-0"

- SHEET NOTES —
- 1 CONTROL JOINT (LOCATIONS MAY VARY)
 - 2 OCCURS @ MOD LINE
 - 3 NOT USED
 - 4 PARAPET
 - 5 OVERHANG
 - 6 TYPICAL EXTERIOR DOOR
 - 7 WINDOW SEE SPEC'S
 - 8 NOT USED
 - 9 HANDRAILS AND GUARDRAILS GALVANIZED METAL
 - 10 STAIRS (REFER TO SHEET S18 FOR DETAILS)
 - 11 STUCCO FINISH
 - 12 RAIN LEADER HEAD TYP
 - 13 DOWNSPOUT TYP
 - 14 ROOF LINE
 - 15 FIRE SPRINKLER RISER
 - 16 ROOM ID SIGNAGE (NIC) TYP (REFER TO DETAIL 5/A6)
 - 17 1"x14 GA PROTECTIVE RAILING (REFER TO DETAIL 9 & 9A/S18)



5 RAILING SECTION
A4 1/2"=1'-0"

REVISIONS		
NO	DATE	DESCRIPTION

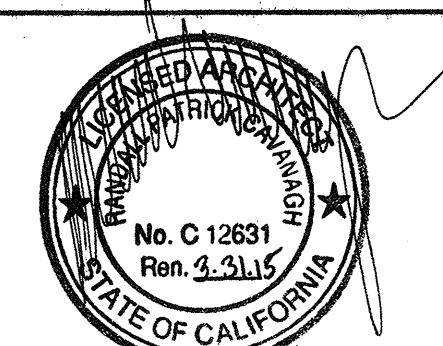
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SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

120' x 40' & 72' x 40' 2 STORY BUILDING
EXTERIOR ELEVATIONS

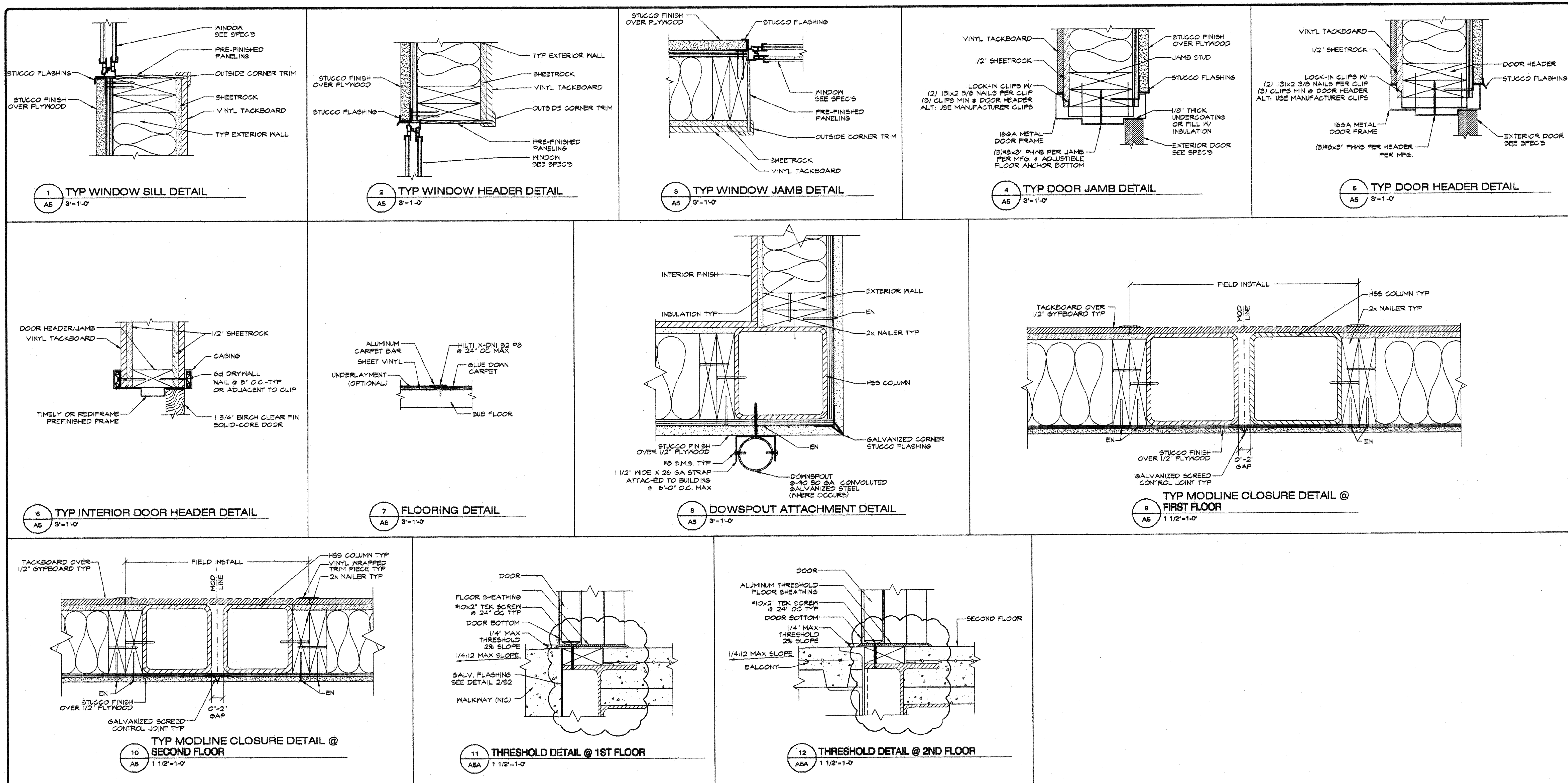


APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROB 113828
AC 11/15/11
DATE JUL 08 2011

PROJECT No.
PC
A4



REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 05-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
ARCHITECTURAL DETAILS W/ WOOD STUDS



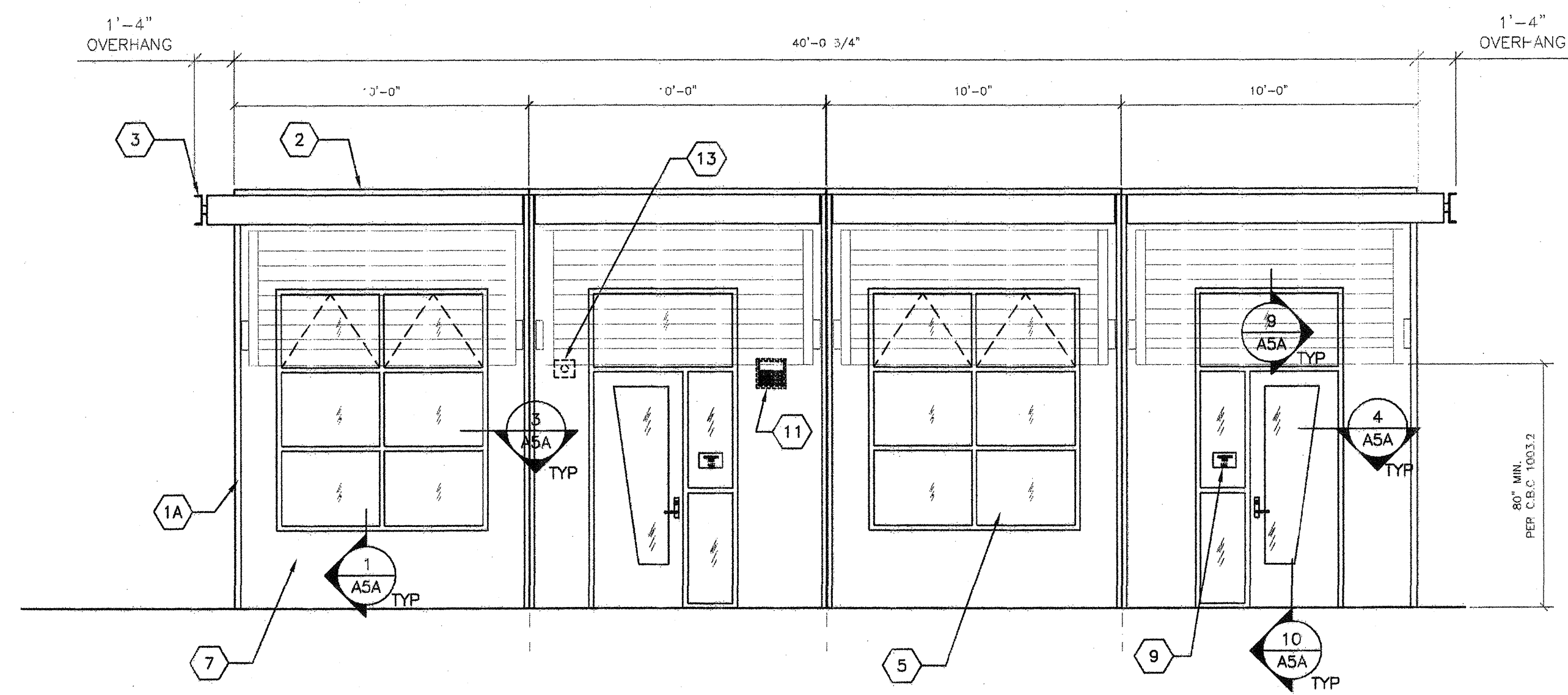
APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPB 113828
AC/PL FLS/PL/SS/CP
DATE JUL 08 2011

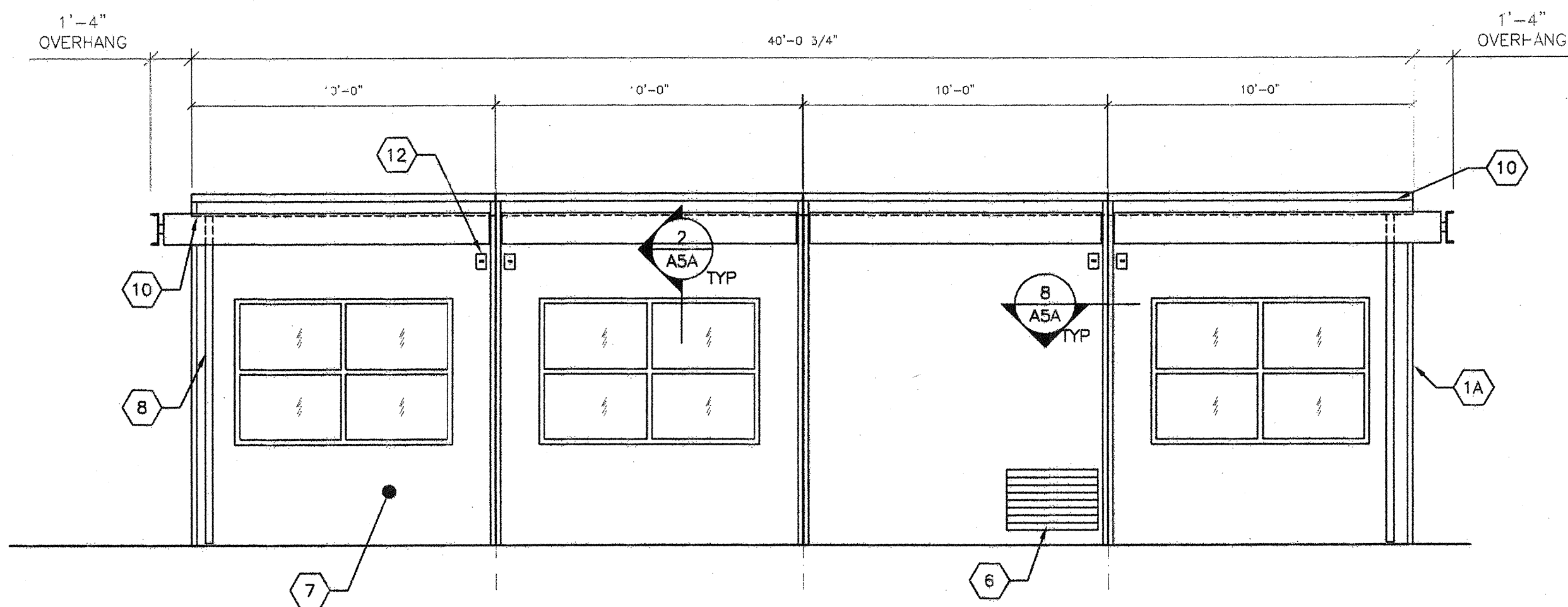
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NO. C12931
REV. 2/24
STATE OF CALIFORNIA
PC 02-110618
AC/WH FLS/D/SS/CP
DATE 7-14-10

PROJECT NO.
PC
A5

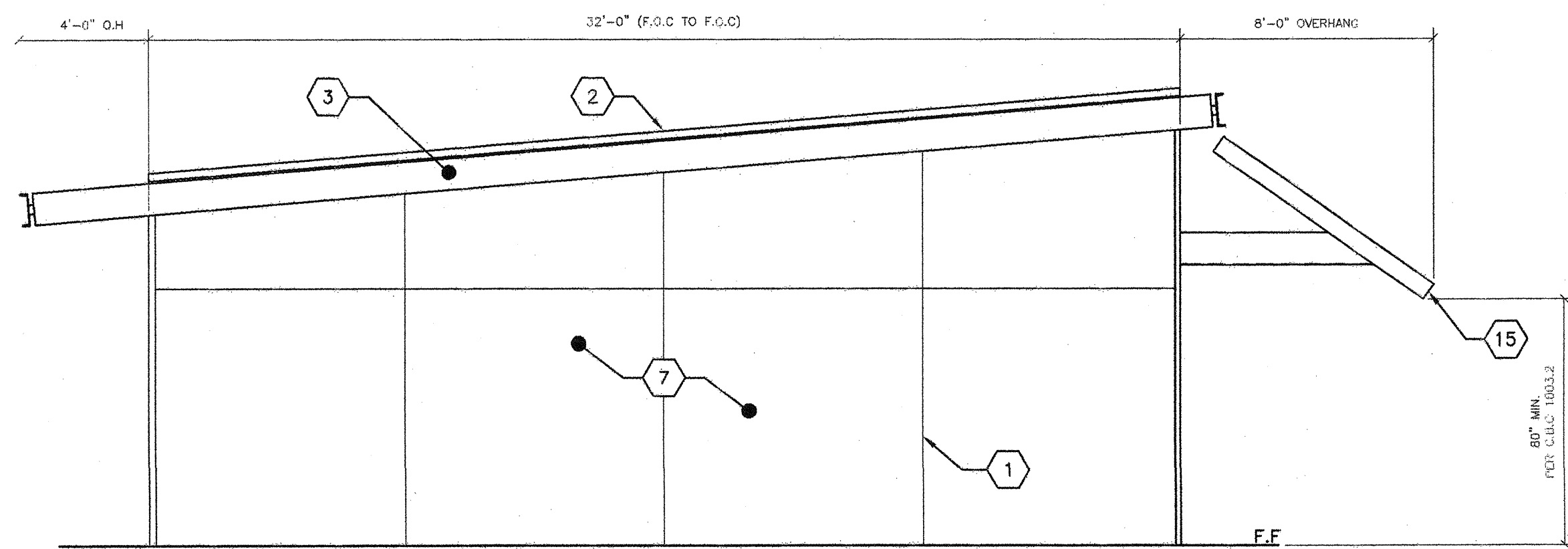
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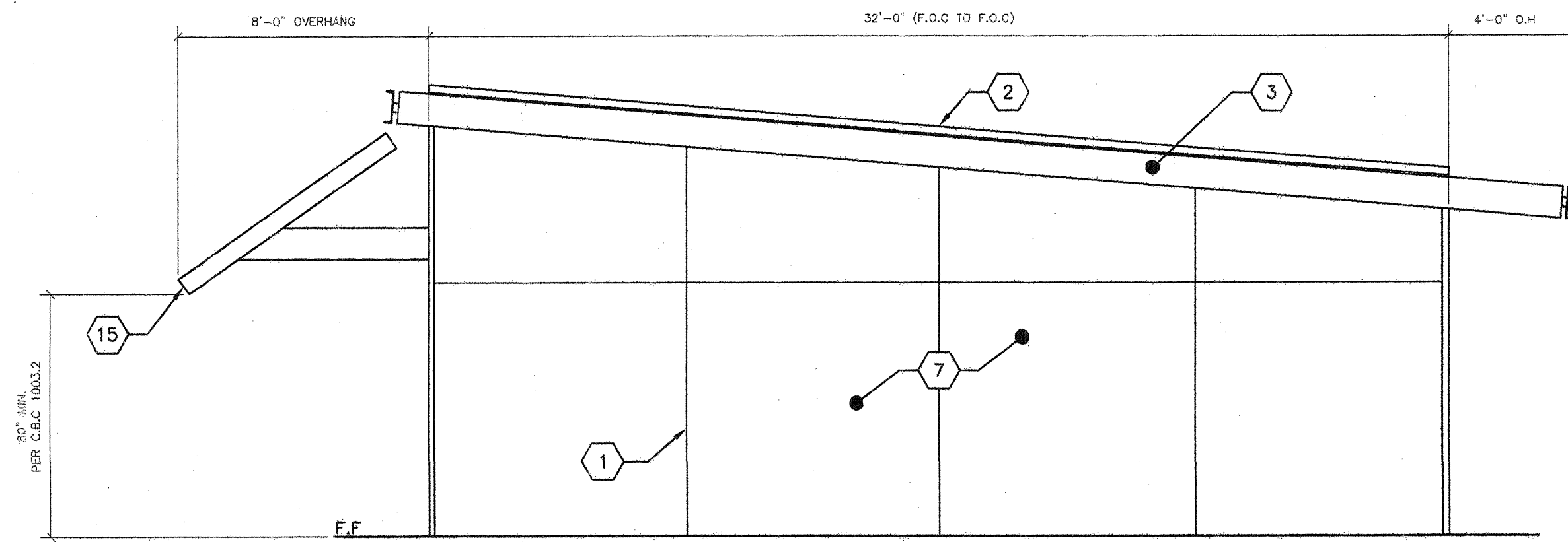
A FRONT EXTERIOR ELEVATION
A5 1/4"=1'-0"



B REAR EXTERIOR ELEVATION
A5 1/4"=1'-0"



C SIDE EXTERIOR ELEVATION
A5 1/4"=1'-0"



D SIDE EXTERIOR ELEVATION
A5 1/4"=1'-0"

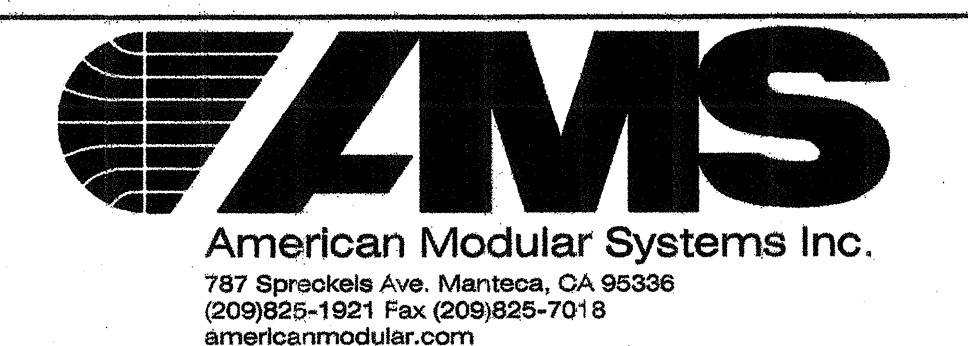
- SHEET NOTES -**
- 1 CONTROL JOINT (LOCATIONS MAY VARY)
 - 1A 16 GA. FLASHING TRIM @ MODLINES TYP.
 - 2 STANDING SEAM METAL ROOFING
 - 3 OVERHANG
 - 4 TYPICAL EXTERIOR DOOR REFER TO A3
 - 5 WINDOW SEE SPEC'S REFER TO A3
 - 6 HVAC FRESH AIR GRILL
 - 7 ACRYLIC TEXTURED FINISH OVER HARDI-BOARD
 - 8 DOWNSPOUT (QUANTITY & LOCATION MAY VARY)
 - 9 ROOM ID AND ISA SIGNAGE (BY OWNER) TYP. REFER TO DETAILS S/AD AND S/AD
 - 10 CUTTER
 - 11 EXTERIOR LIGHT FIXTURE TYP.
 - 12 MODULAR IDENTIFICATION TAG, +90" ABOVE F.F.
 - 13 FIRE ALARM HORN (REFER TO E1)
 - 14 WP/G.F.C.I TYP. @ HVAC UNITS SEE ELECTRICAL SHEETS.
 - 15 SHADE STRUCTURE PER SHEET S4B
- * F.O.C.=FACE OF COLUMN

REVISIONS		
NO.	DATE	DESCRIPTION

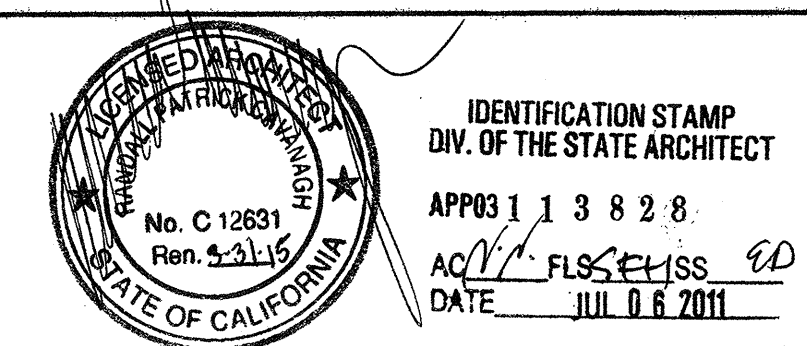
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SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

40' x 32' GENERATION 7 PREFABRICATED BUILDINGS
EXTERIOR ELEVATIONS (SYNTHETIC STUCCO OPTION)

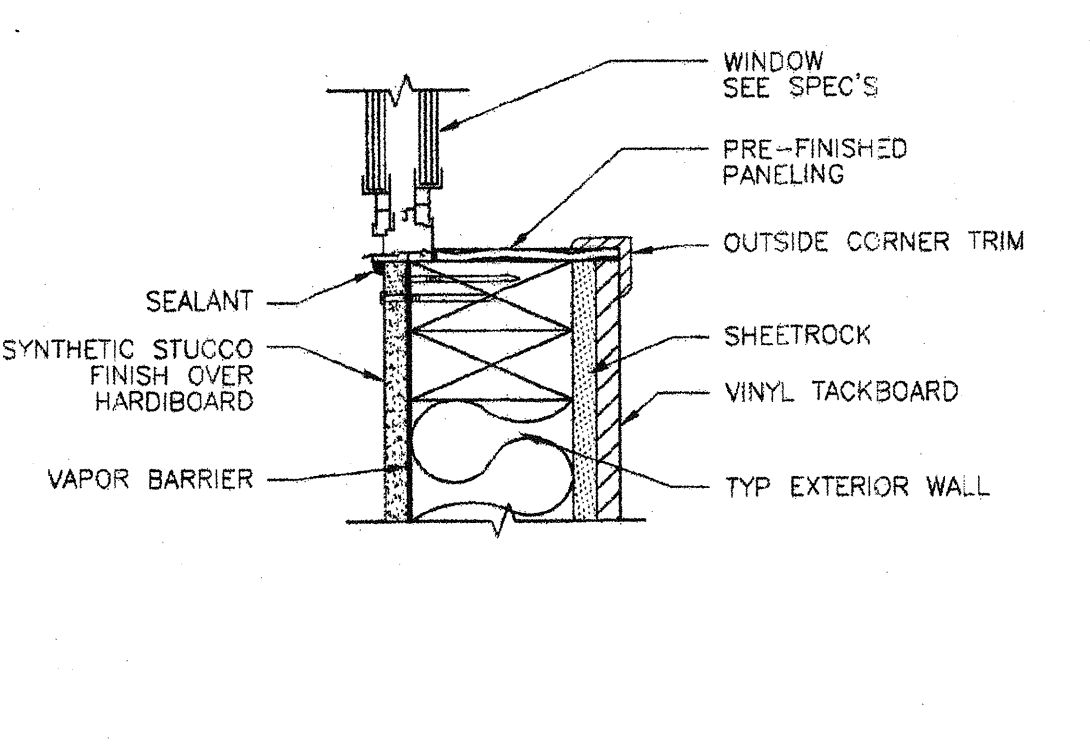


APPROVALS:

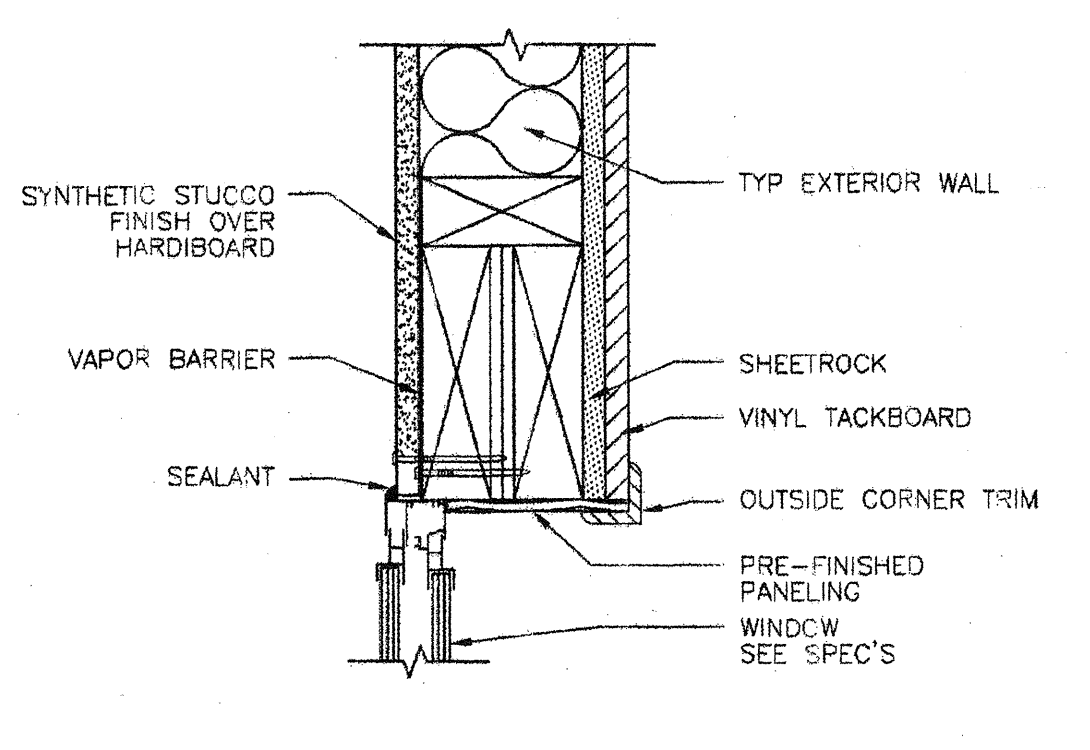


PROJECT No.
A5

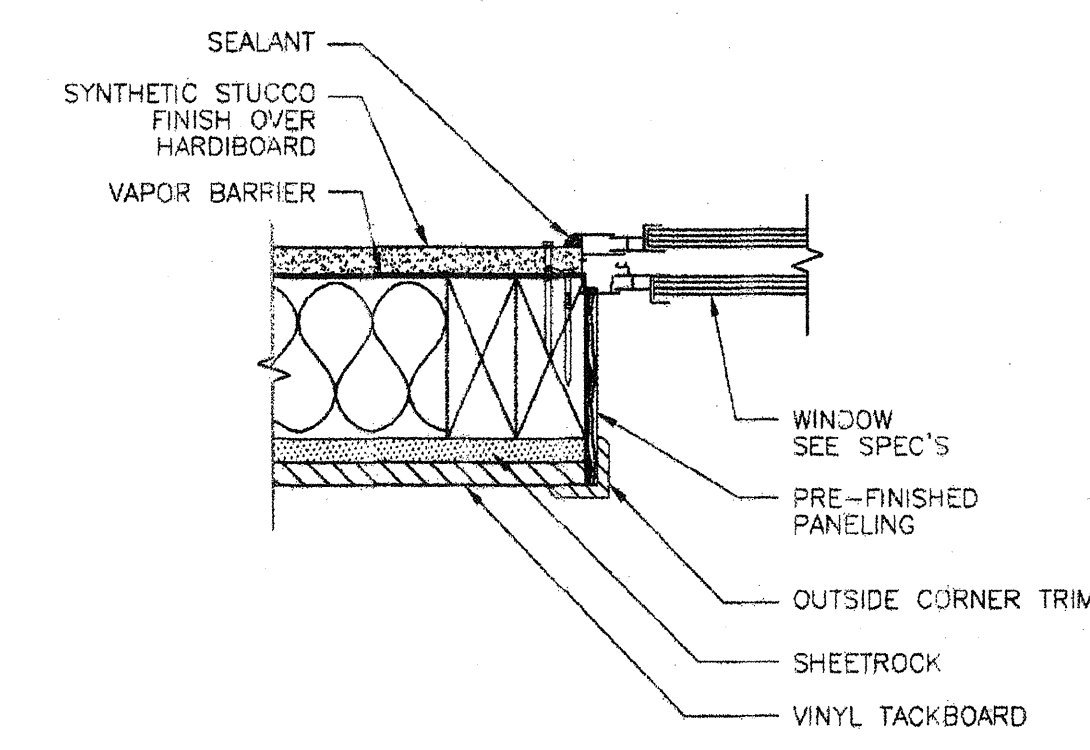
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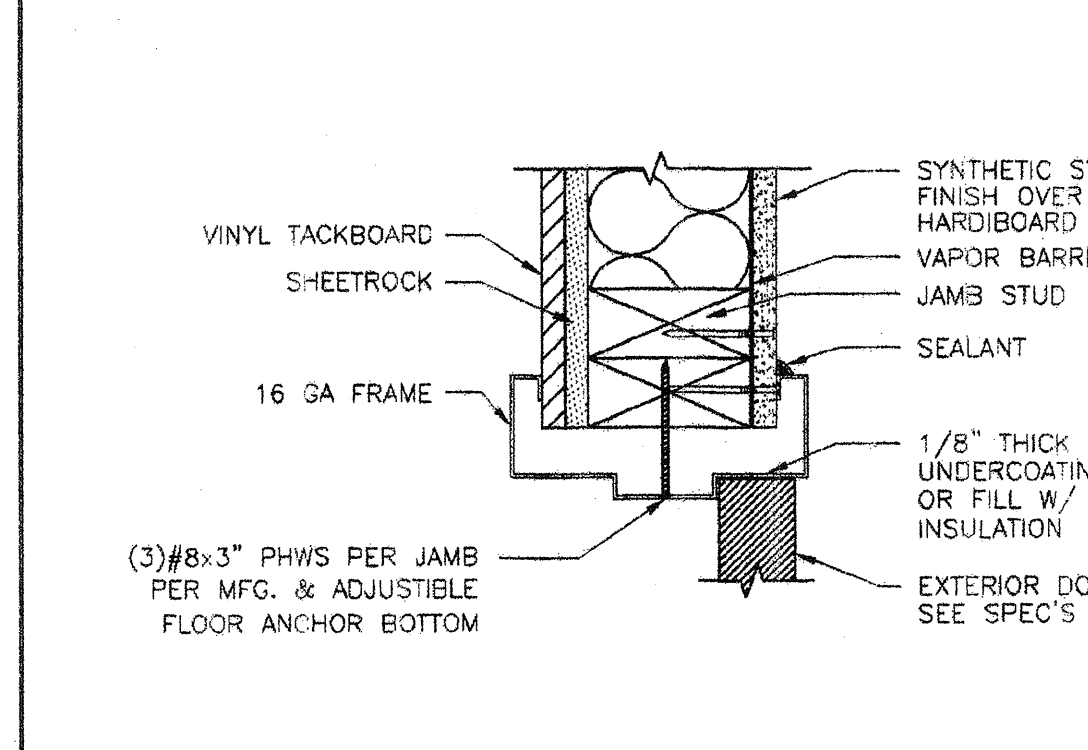
1 TYP WINDOW SILL DETAIL
ASA 3/8"=1'-0"



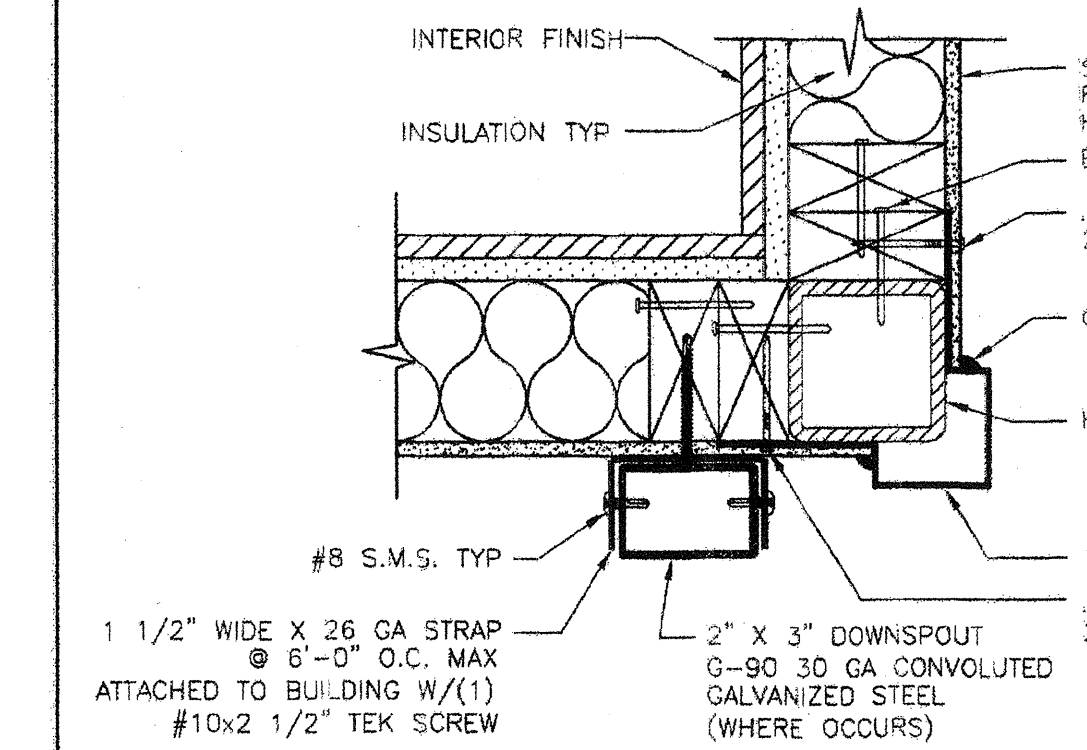
2 TYP WINDOW HEADER DETAIL
ASA 3/8"=1'-0"



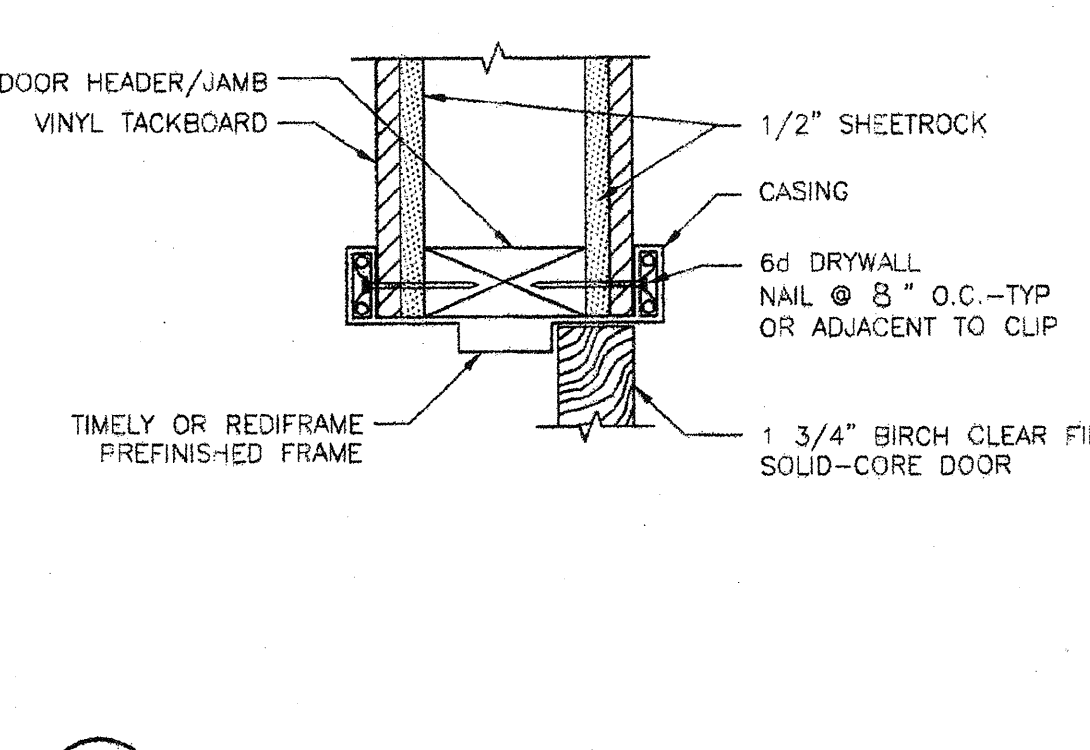
3 TYP WINDOW JAMB DETAIL
ASA 3/8"=1'-0"



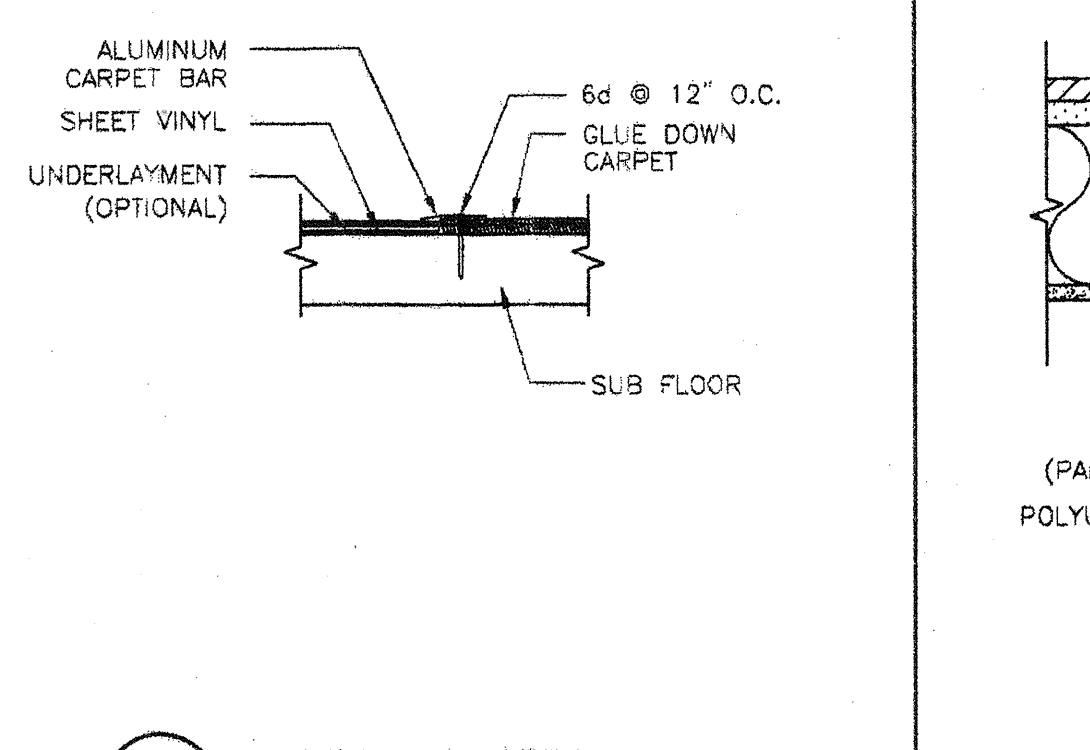
4 TYP DOOR JAMB DETAIL
ASA 3/8"=1'-0"



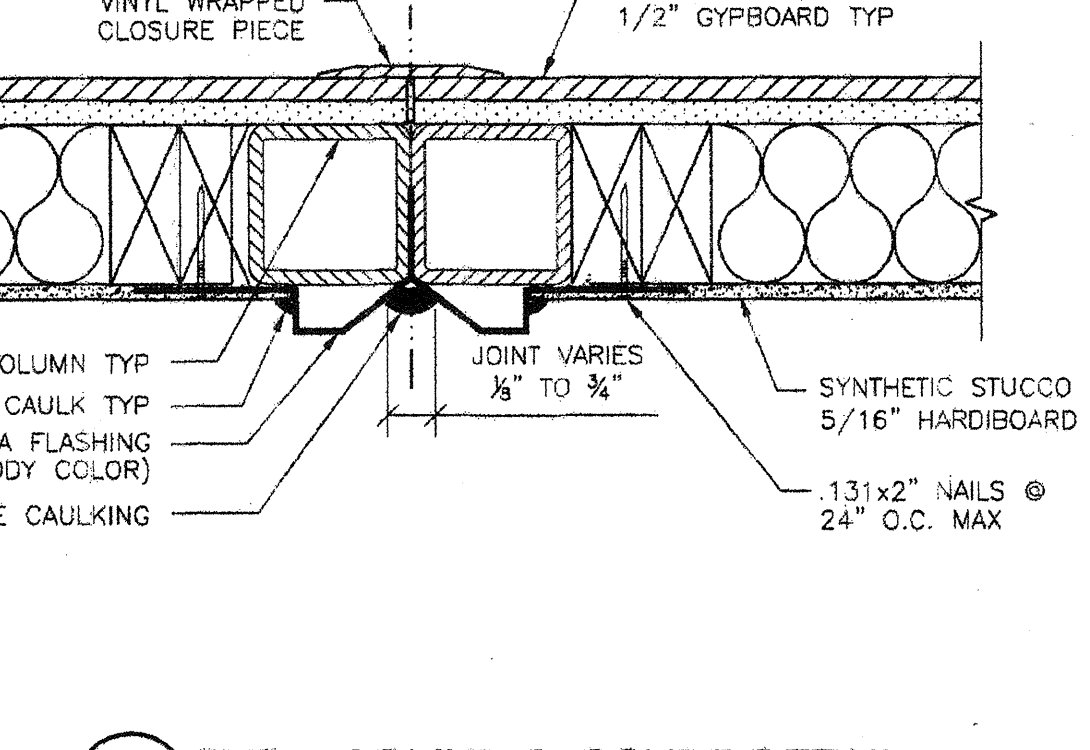
5 DOWNSPOUT ATTACHMENT DETAIL
ASA 3/8"=1'-0"



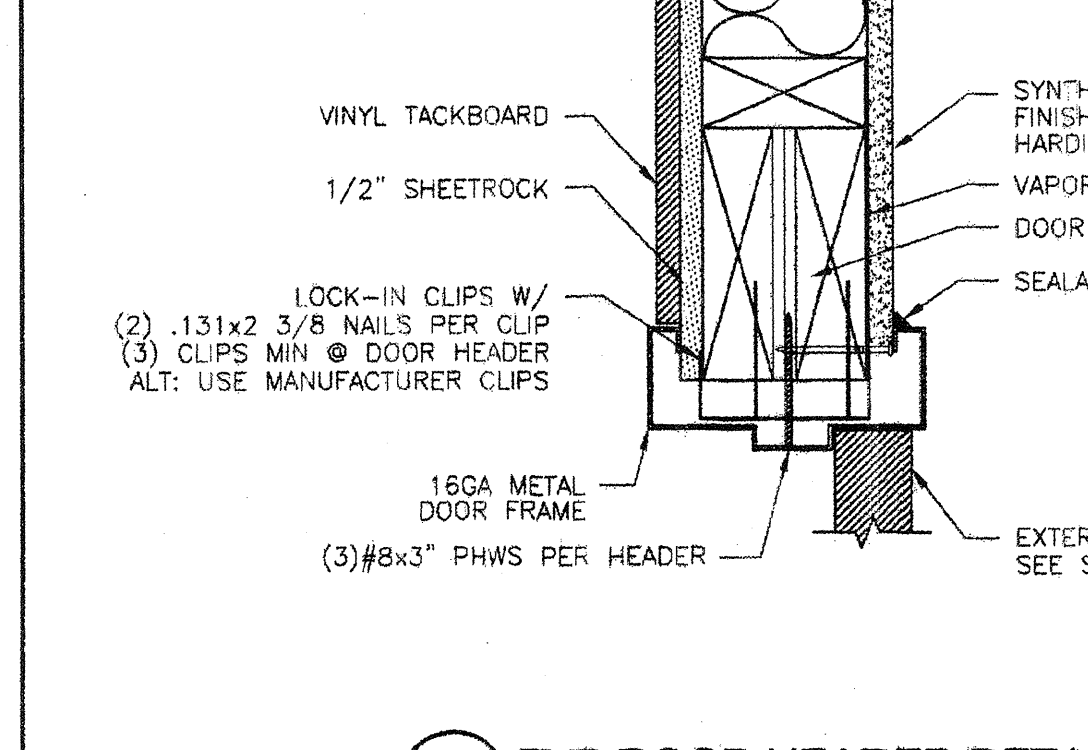
6 TYP INTERIOR DOOR HEADER DETAIL
ASA 3/8"=1'-0"



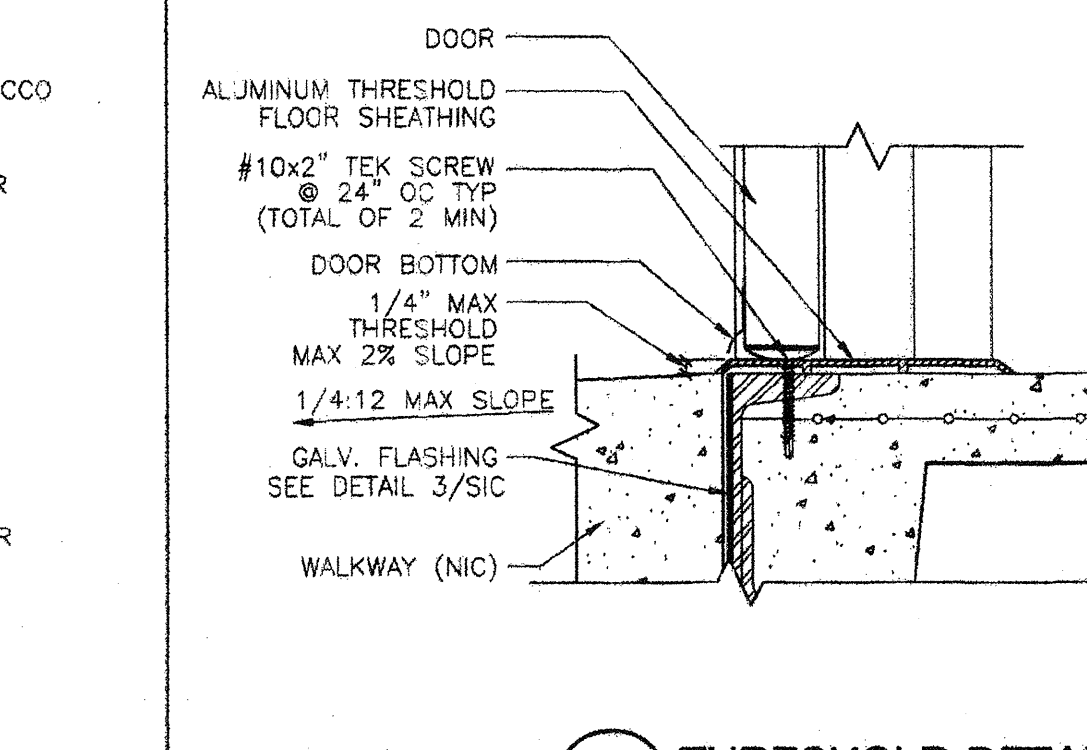
7 FLOORING DETAIL
ASA 3/8"=1'-0"



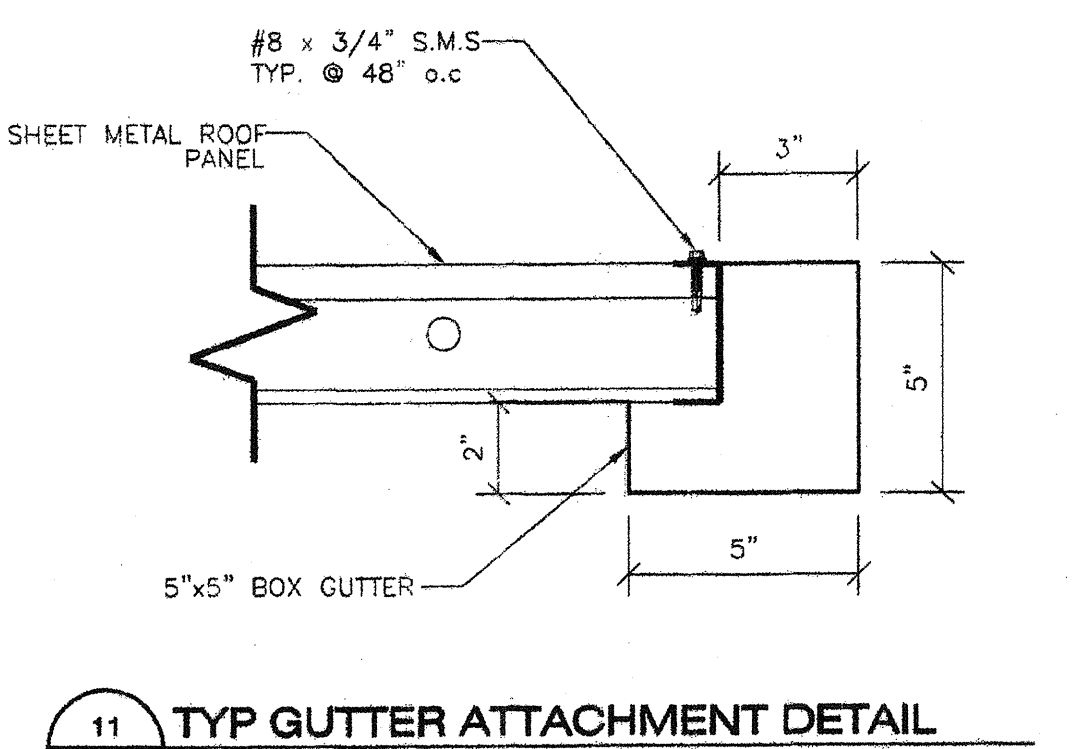
8 TYP MODLINE CLOSURE DETAIL
ASA 3/8"=1'-0"



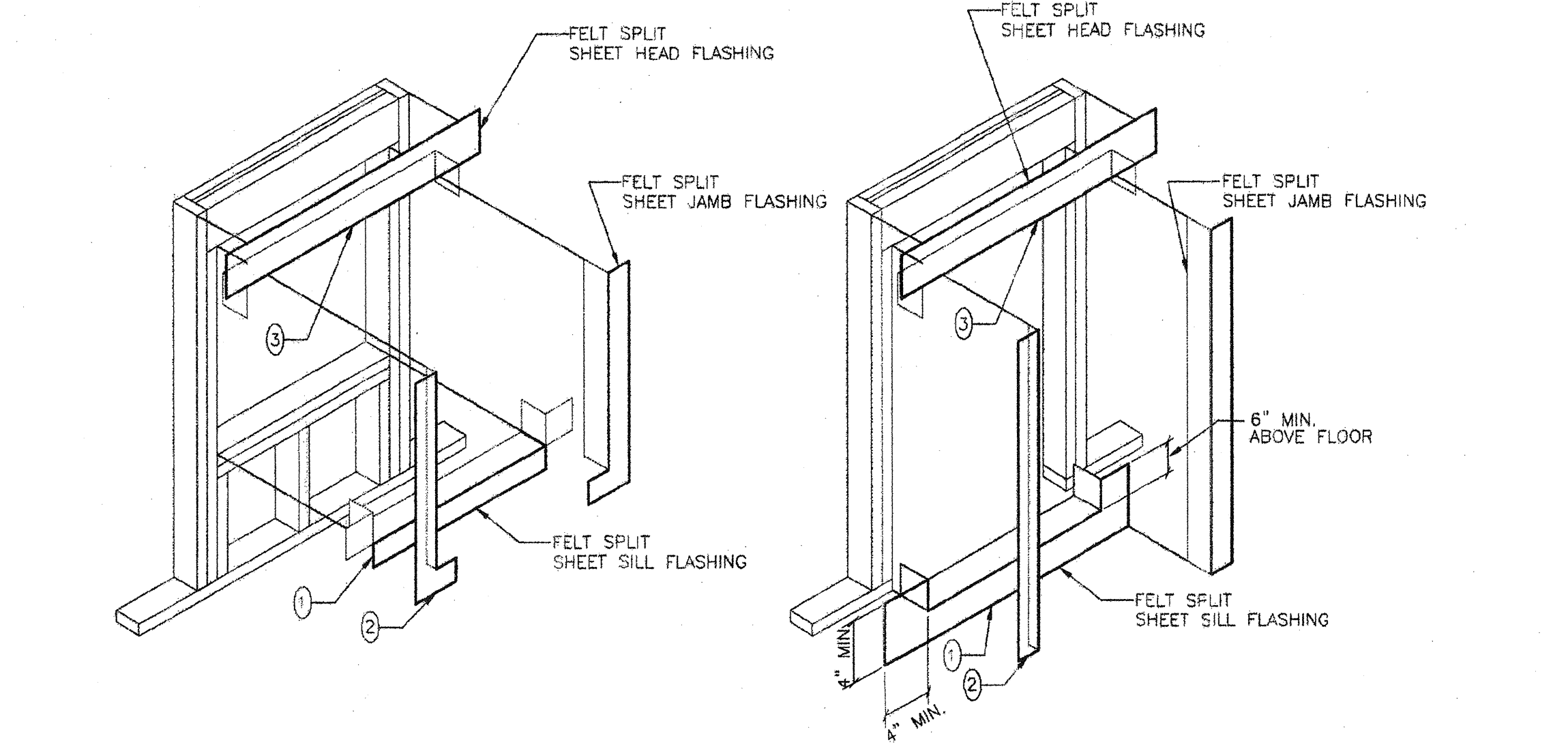
9 TYP DOOR HEADER DETAIL
ASA 3/8"=1'-0"



10 THRESHOLD DETAIL
ASA 1/8"=1'-0"



11 TYP GUTTER ATTACHMENT DETAIL
ASA 3/8"=1'-0"



12 FLASHING SCHEMATIC DETAIL @ OPENINGS
ASA NTS

WINDOW CONDITION

DOOR CONDITION

#=SEQUENCE OF ORDER

SHEET NOTES

FOR METAL STUD WALL, USE SHS SCREW REPLACING NAILS FOR ATTACHMENT. SEE SHEETS S6A & S6B FOR MORE INFORMATION.

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 11/01/09


SCALE: NOTED

DRAWN BY: D.M.

SERIAL NO.:

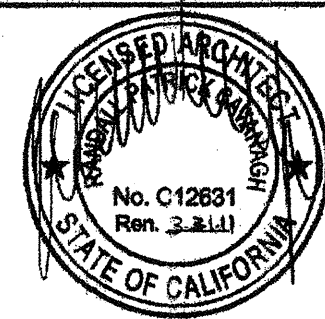
CUSTOMER:

30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS ARCHITECTURAL DETAILS (SYNTHETIC STUCCO OPTION)



AMS
American Modular Systems Inc.
787 Sprinkle Ave. Marietta, GA 30066
(770)825-1921 Fax (770)825-7018
ams@americanmodular.com

APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP03 1 1 3 8 2 8

AC: [Signature] FLS: [Signature] SS: [Signature]

DATE: JUL 0 8 2011

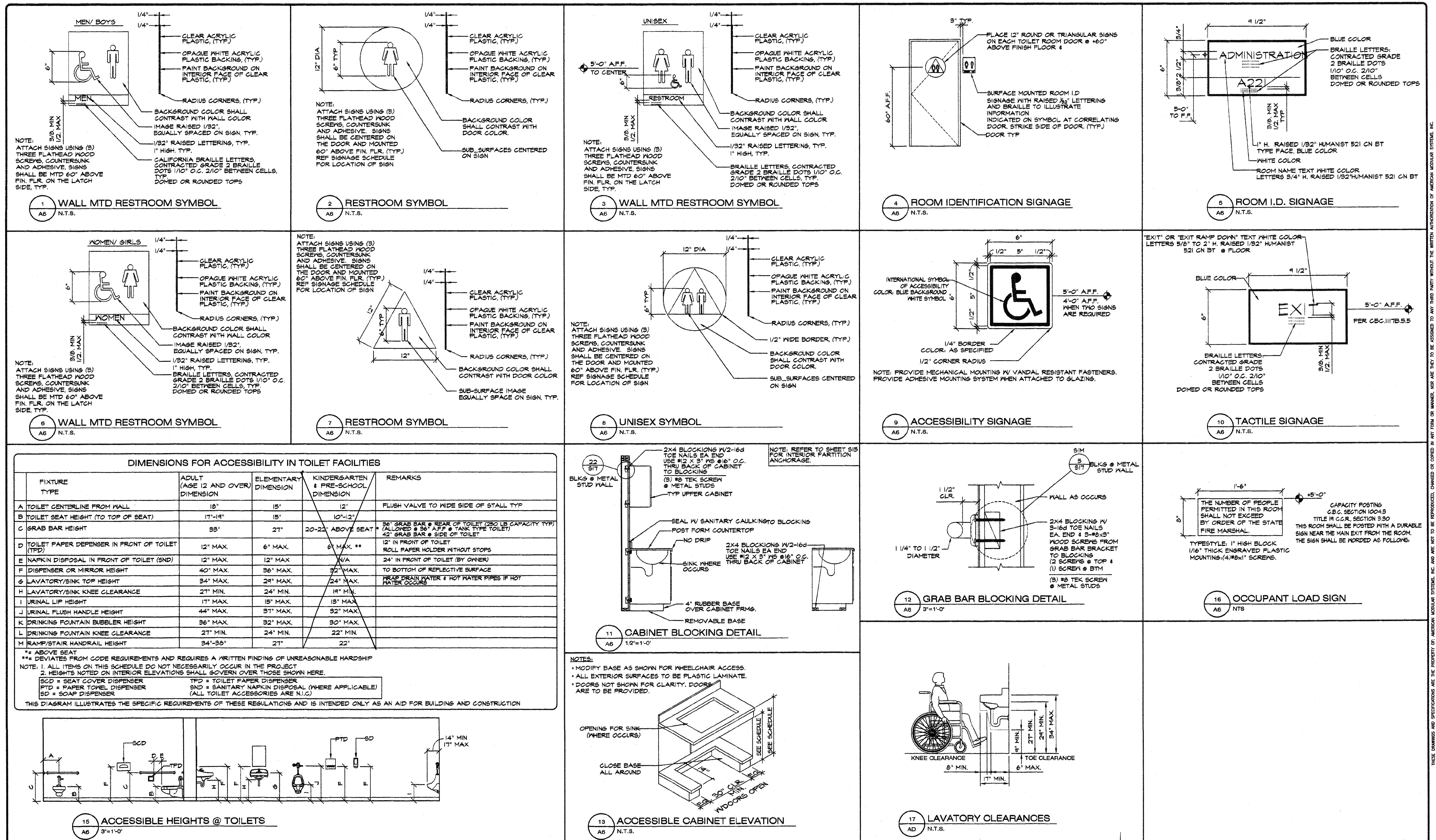
PC 02-110964

DATE: 12/9/09

PROJECT No.

A5A

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DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES

FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION	REMARKS
A TOILET CENTERLINE FROM WALL	15"	15"	12"	FLUSH VALVE TO WIDE SIDE OF STALL TYP.
B TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"-19"	15"	10"-12"	
C GRAB BAR HEIGHT	35"	27"	20"-22" ABOVE SEAT	36" GRAB BAR @ REAR OF TOILET (250 LB CAPACITY TYP.) (ALLOWED @ 38" AFF @ TANK TYPE TOILET) 42" GRAB BAR @ SIDE OF TOILET
D TOILET PAPER DISPENSER IN FRONT OF TOILET (TYP)	12" MAX.	6" MAX.	6" MAX. **	12" IN FRONT OF TOILET ROLL PAPER HOLDER WITHOUT STOPS
E NAPKIN DISPOSAL IN FRONT OF TOILET (END)	12" MAX.	12" MAX.	N/A	24" IN FRONT OF TOILET (BY OWNER)
F DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.	TO BOTTOM OF REFLECTIVE SURFACE
G LAVATORY/SINK TOP HEIGHT	34" MAX.	24" MAX.	24" MAX.	W/REAR PRAIN WATER & HOT WATER PIPES IF HOT WATER OCCURS
H LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	18" MIN.	
I URINAL LIP HEIGHT	17" MAX.	15" MAX.	15" MAX.	
J URINAL FLUSH HANDLE HEIGHT	44" MAX.	51" MAX.	52" MAX.	
K DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	32" MAX.	30" MAX.	
L DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.	
M RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"	

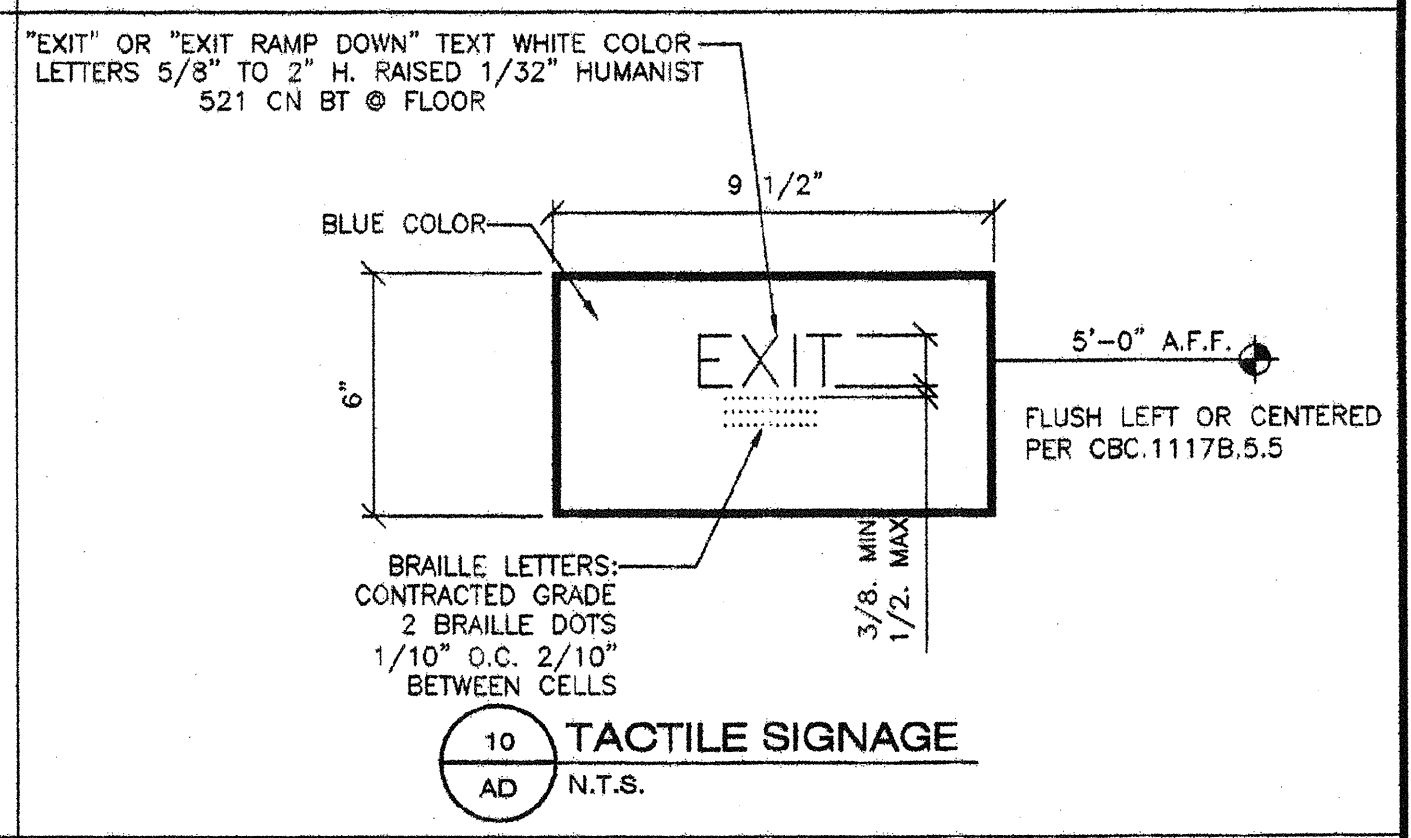
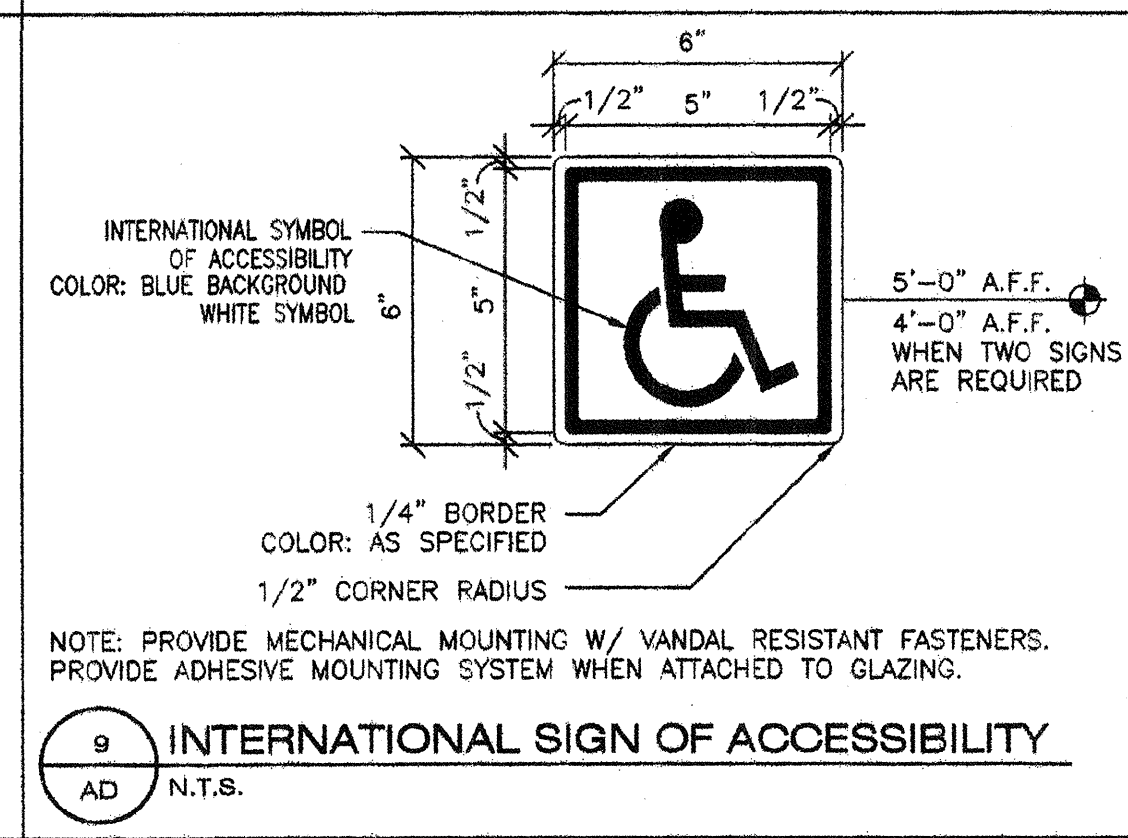
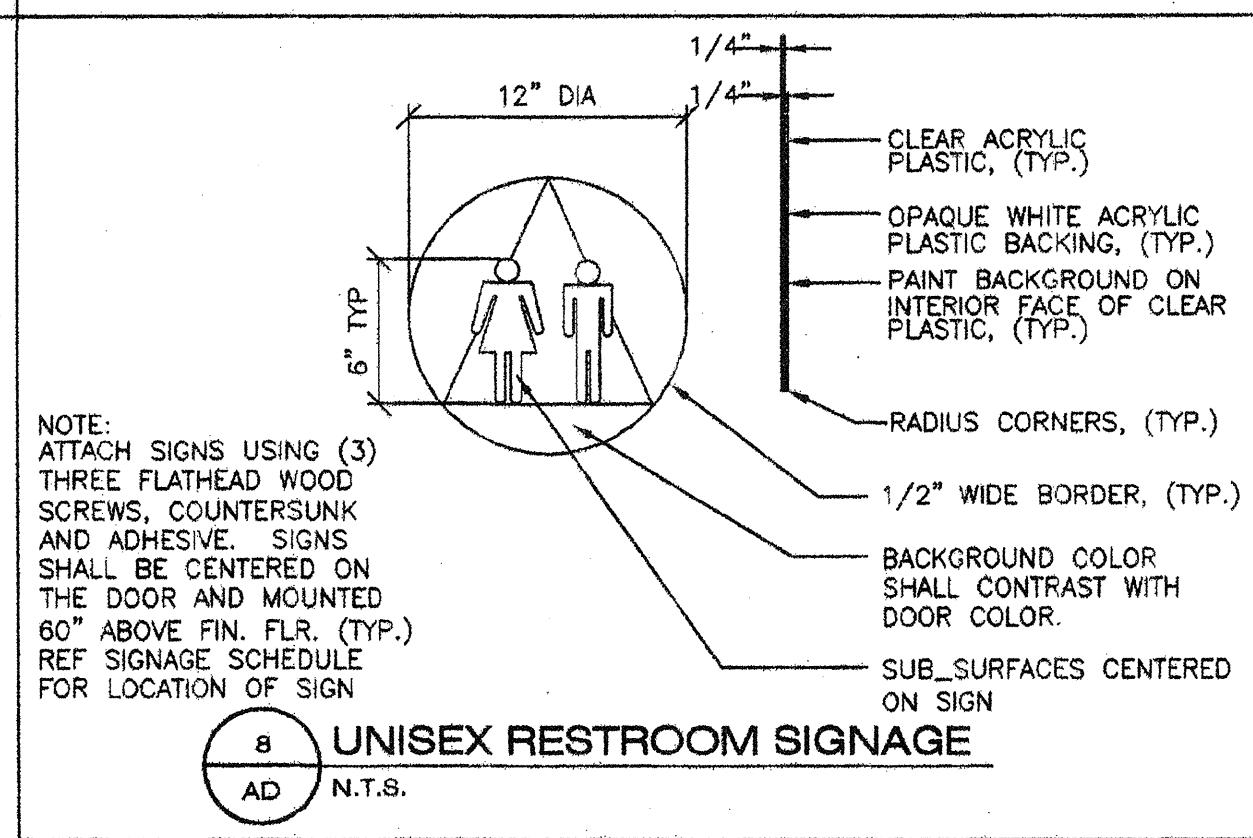
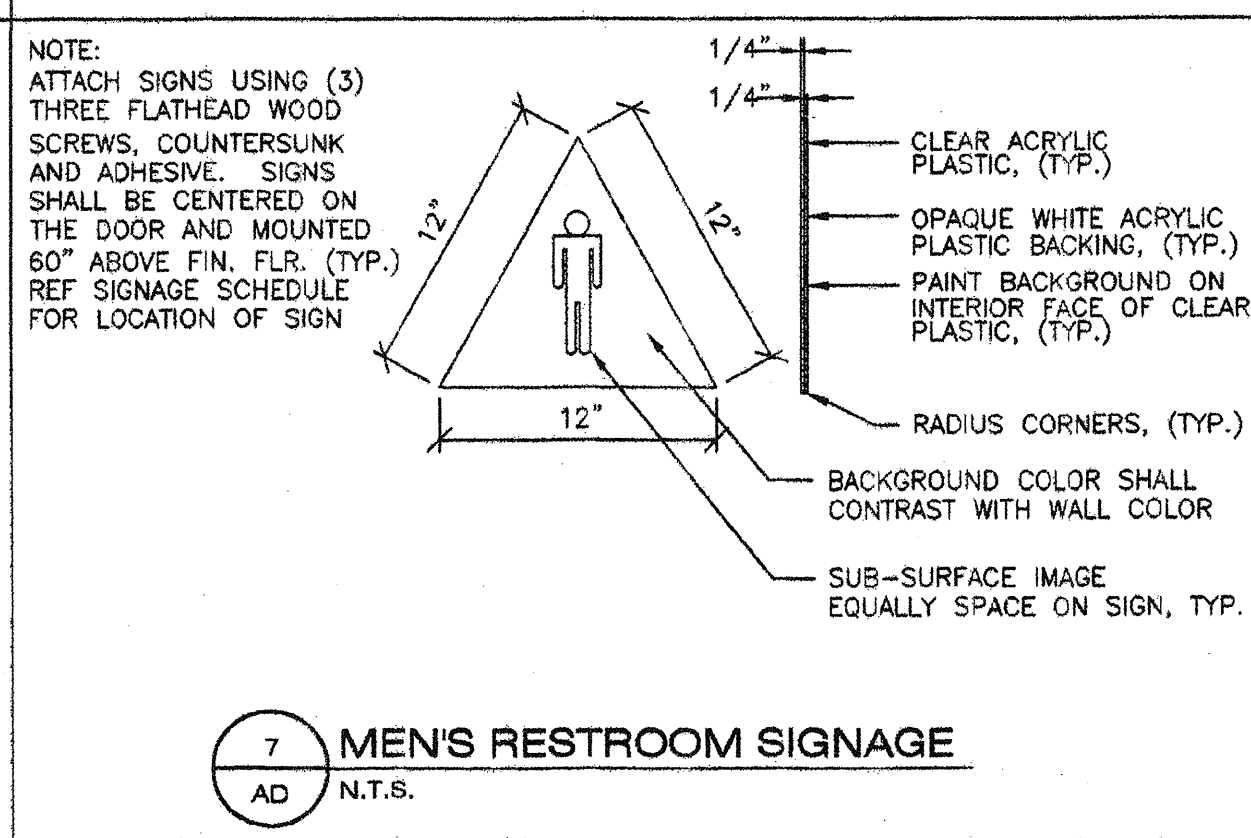
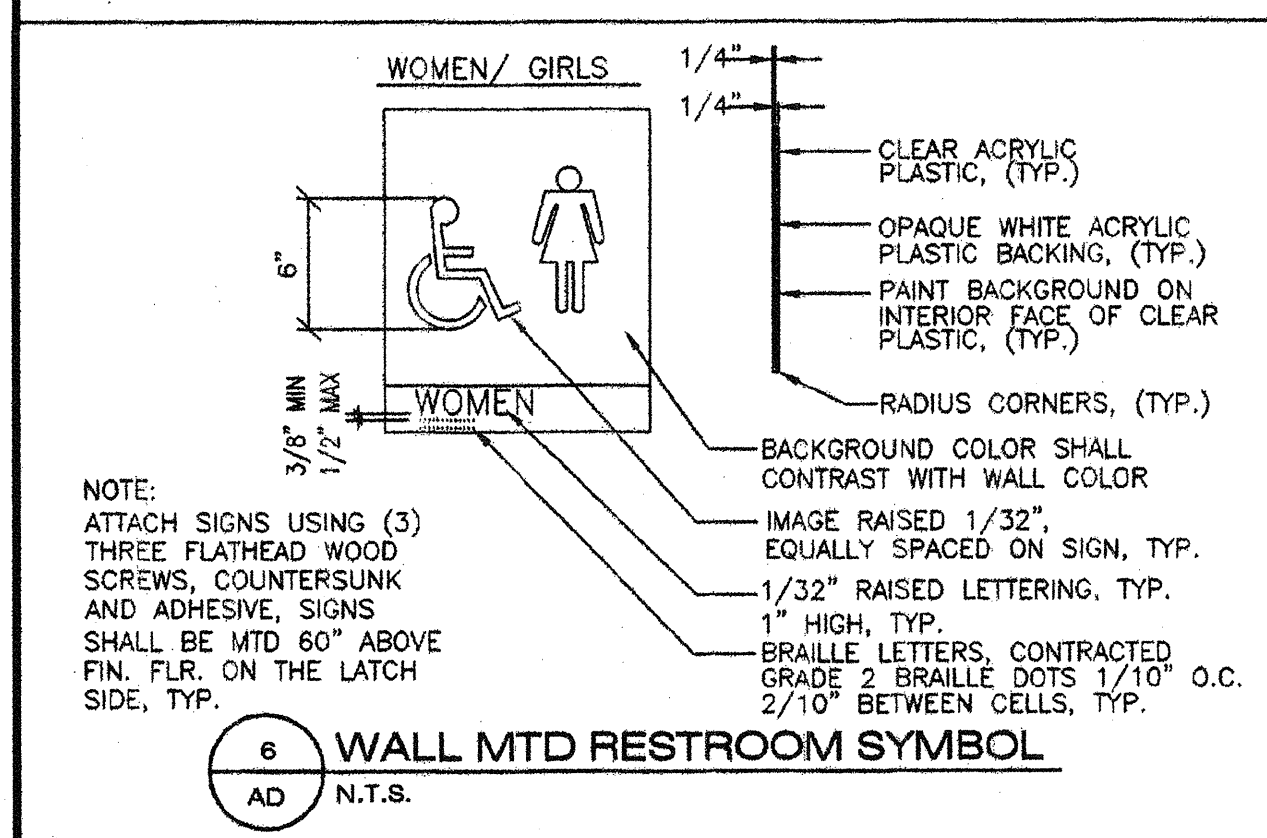
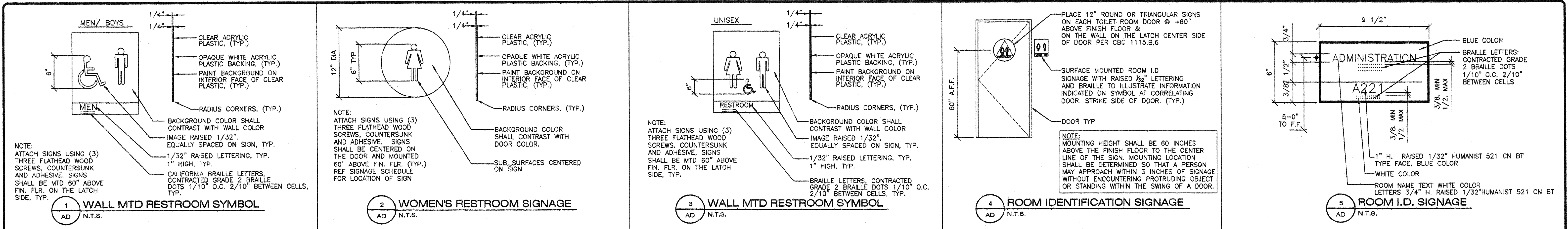
** ABOVE SEAT
*** DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP
NOTE: 1. ALL ITEMS ON THIS SCHEDULE DO NOT NECESSARILY OCCUR IN THE PROJECT.
2. HEIGHTS NOTED ON INTERIOR ELEVATIONS SHALL GOVERN OVER THOSE SHOWN HERE.

SCD = SEAT COVER DISPENSER
PTD = PAPER TOWEL DISPENSER
SD = SOAP DISPENSER
TFD = TOILET PAPER DISPENSER
SND = SANITARY NAPKIN DISPOSAL (WHERE APPLICABLE)
ALL TOILET ACCESSORIES ARE N.T.S.

THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION

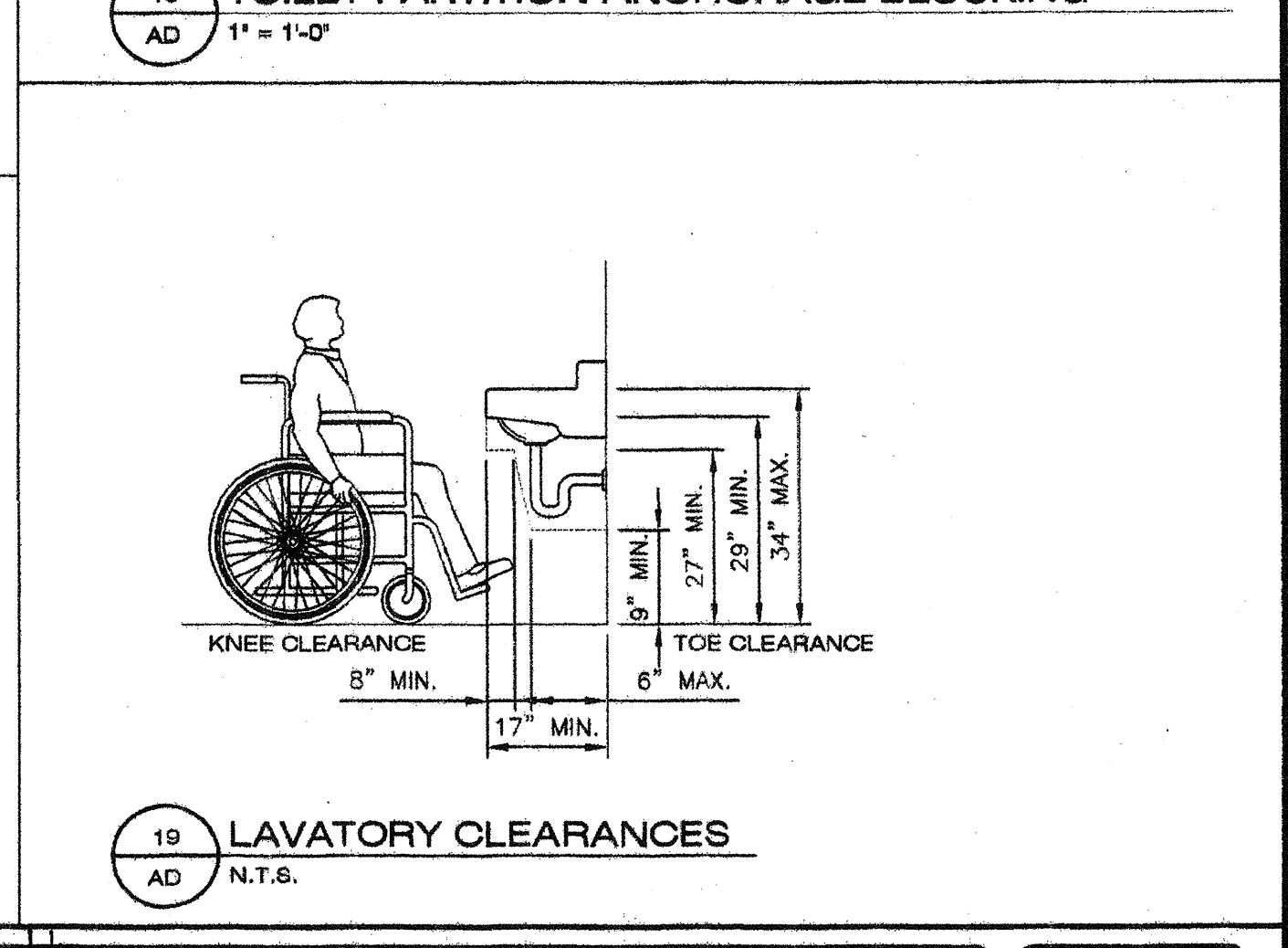
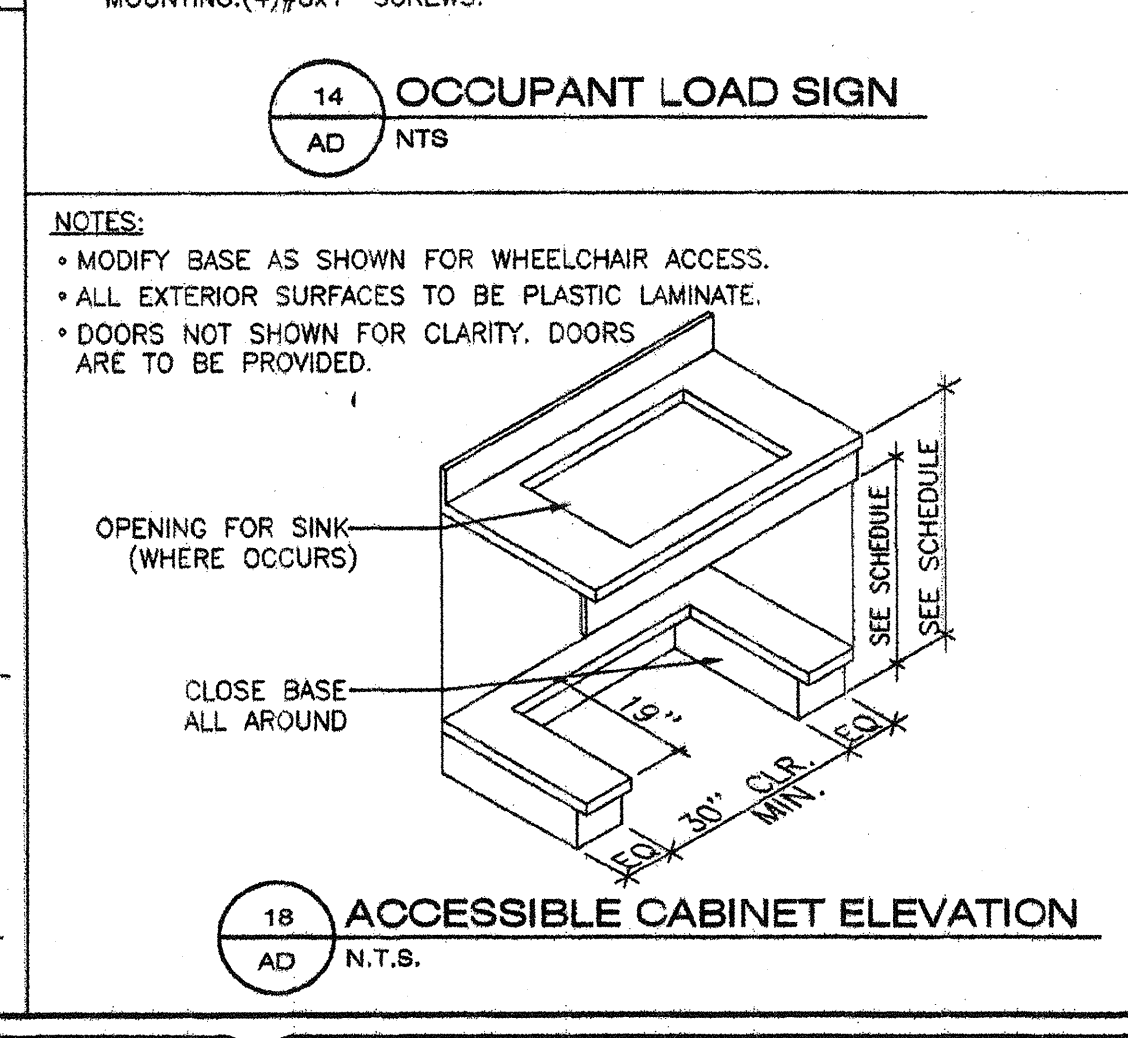
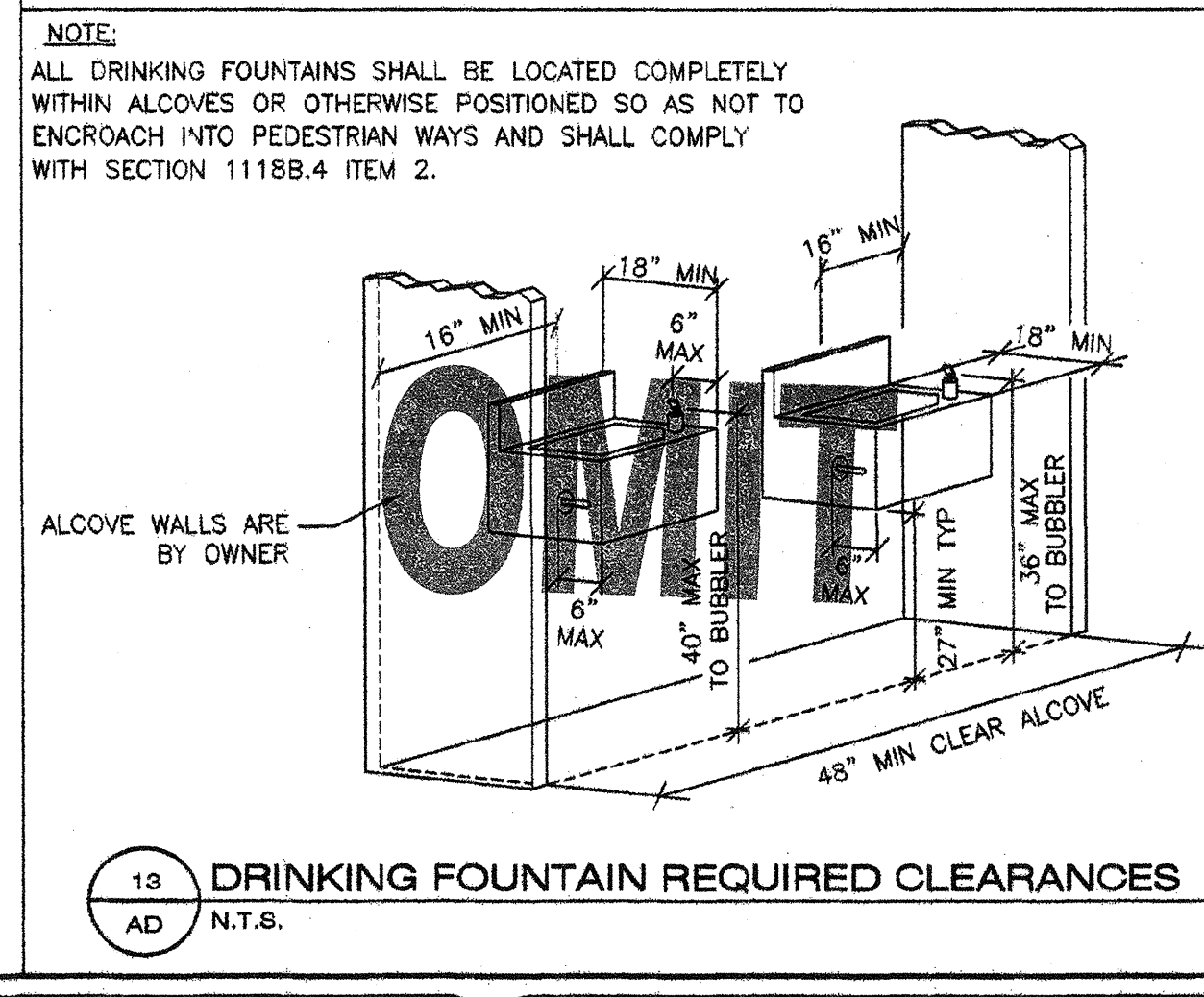
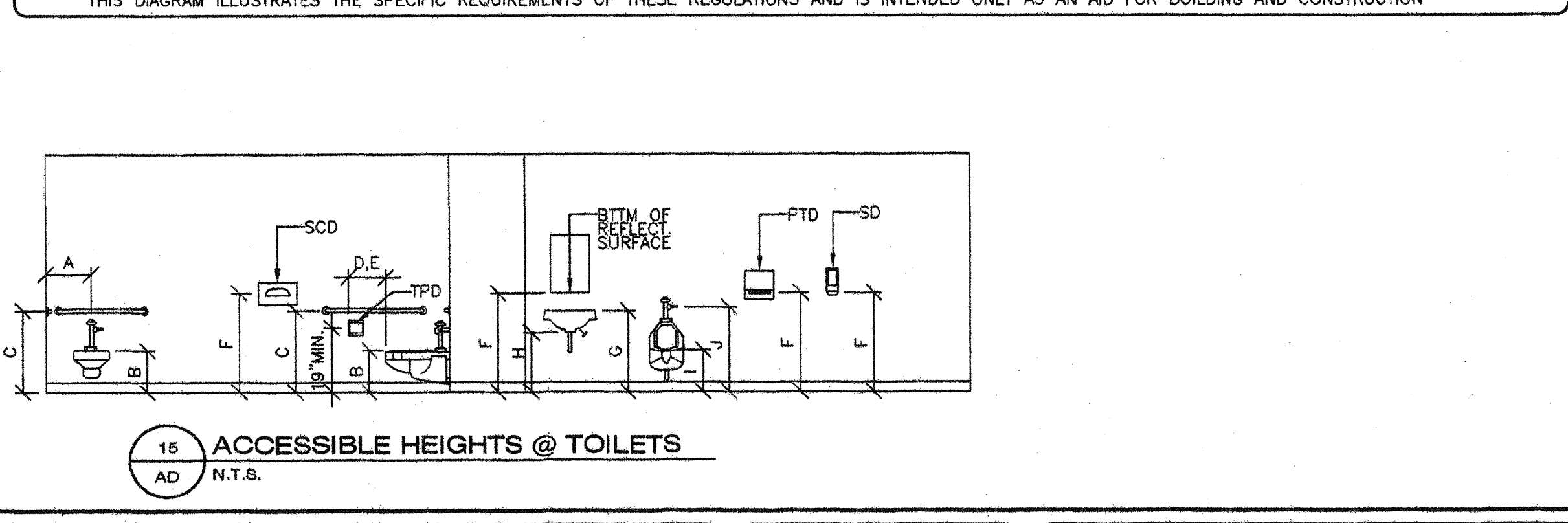
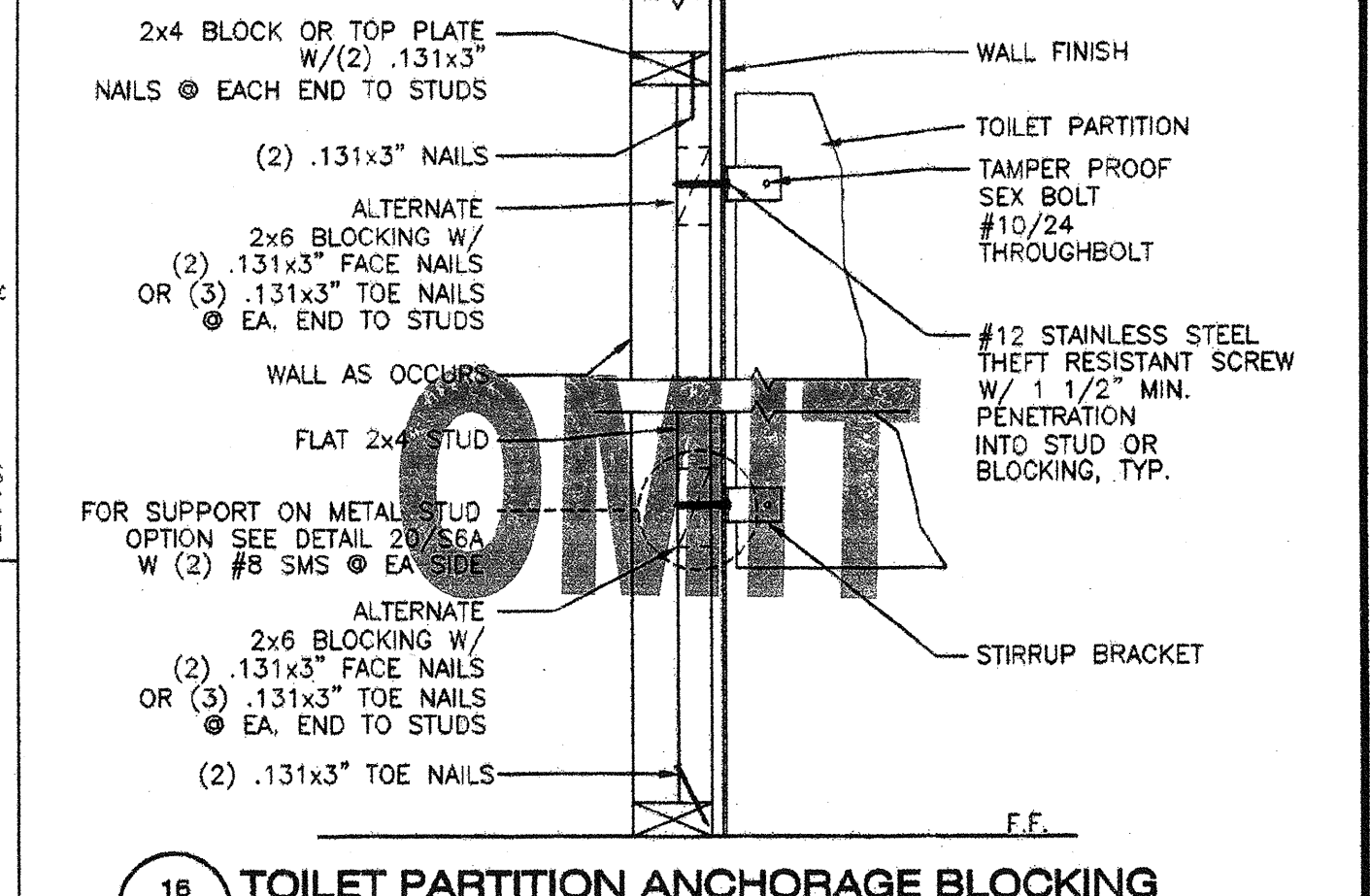
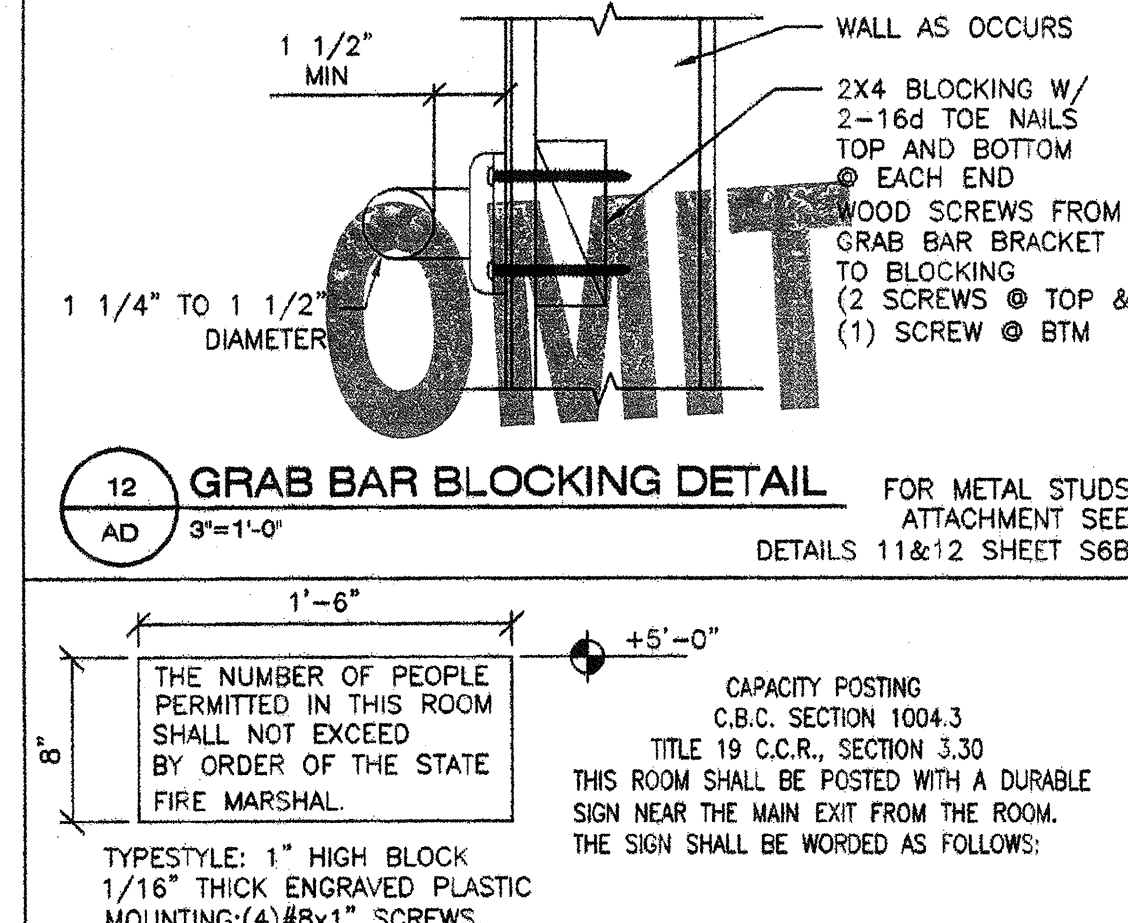
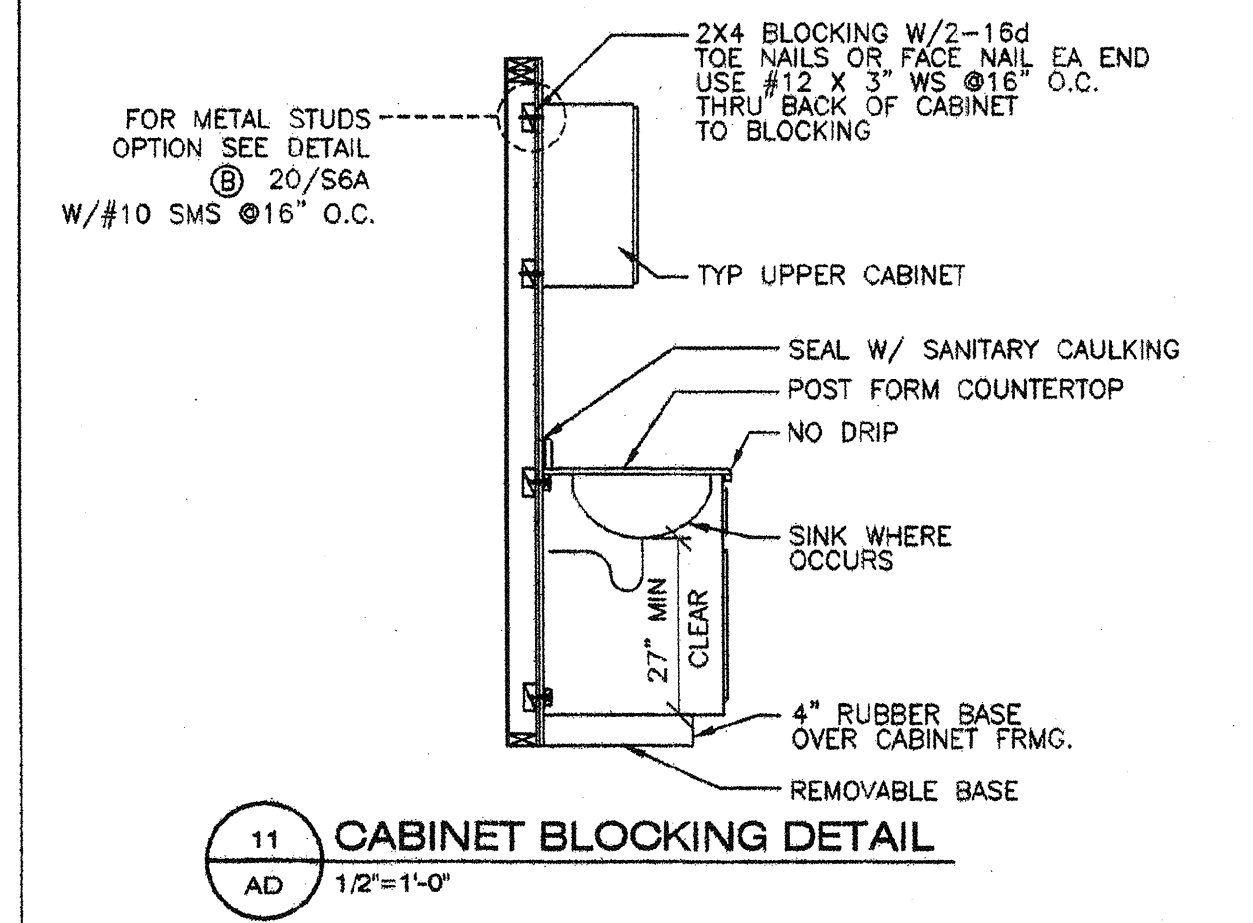
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION										<p>DATE: 10-12-09</p> <p>SCALE: NOTED</p> <p>DRAWN BY: RL</p> <p>SERIAL NO.: </p>	<p>CUSTOMER:</p> <p>48 - 228' x 40' 2 STORY BUILDING</p> <p>ACCESSIBLE DETAILS</p>	<p>AMS</p> <p>American Modular Systems Inc.</p> <p>787 Scripps Vista Ave., Manteca, CA 95336 209/928-1921 Fax: 209/925-7018 americanmodular.com</p>	<p>APPROVALS:</p> <p>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 02-110618 APPROX 11/3/2011 DATE: JUL 16 2011</p>	<p>PROJECT NO. PC</p> <p>A6</p>
NO.	DATE	DESCRIPTION															

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DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES				
FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION	REMARKS
A TOILET CENTERLINE FROM WALL	18"	15"	12"	FLUSH VALVE TO WIDE SIDE OF STALL TYP.
B TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"-19"	15"	10"-12"	36" GRAB BAR @ REAR OF TOILET (250 LB CAPACITY TYP) (ALLOWED @ 36" A.F.F. @ TANK TYPE TOILET) 42" GRAB BAR @ SIDE OF TOILET
C GRAB BAR HEIGHT	33"	27"	20-22" ABOVE SEAT	12" IN FRONT OF TOILET
D TOILET PAPER DISPENSER IN FRONT OF TOILET (TPD)	12" MAX.	6" MAX.	6" MAX. **	ROLL PAPER HOLDER WITHOUT STOPS
E NAPKIN DISPOSAL IN FRONT OF TOILET (SND)	12" MAX.	12" MAX.	N/A	24" IN FRONT OF TOILET (BY OWNER)
F DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.	TO BOTTOM
G LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.	WRAP DRAIN WATER IF HOT WATER OCCURS
H LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	19" MIN.	
I URINAL LIP HEIGHT	17" MAX.	15" MAX.	13" MAX.	
J URINAL FLUSH HANDLE HEIGHT	44" MAX.	37" MAX.	32" MAX.	
K DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	32" MAX.	30" MAX.	
L DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.	
M RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"	

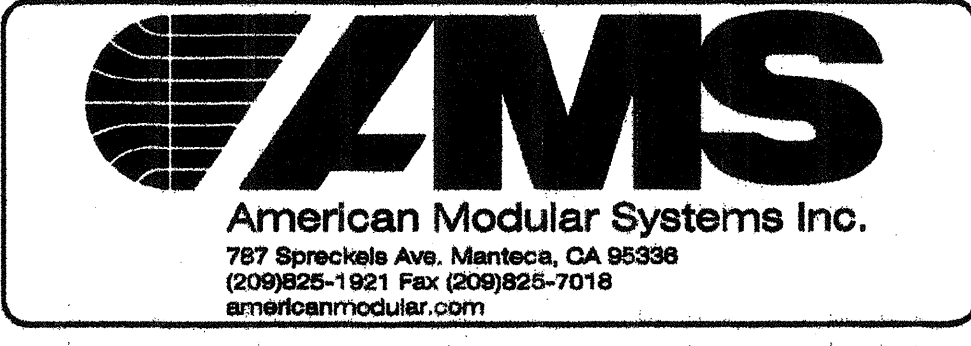
* = ABOVE SEAT
 ** = DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARSHIP
 NOTE: 1. ALL ITEMS ON THIS SCHEDULE DO NOT NECESSARILY OCCUR IN THE PROJECT
 2. HEIGHTS NOTED ON INTERIOR ELEVATIONS SHALL GOVERN OVER THOSE SHOWN HERE.
 SCD = SEAT COVER DISPENSER TPD = TOILET PAPER DISPENSER
 PTD = PAPER TOWEL DISPENSER SND = SANITARY NAPKIN DISPOSAL (WHERE APPLICABLE)
 SD = SOAP DISPENSER (ALL TOILET ACCESSORIES ARE N.I.C.)
 THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION



REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 11/01/09
 SCALE: NOTED
 DRAWN BY: D.M.
 SERIAL NO.:

CUSTOMER:
 30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
 ACCESSIBLE DETAILS



APPROVALS:
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPR 11 3 8 2 8
 ACQ. FLS. ISS. ED
 DATE JUL 0 6 2011

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 PC 02-110964
 ACQ. FLS. ISS. ED
 DATE 12/9/09
 PROJECT NO.
 AD

SCOPE OF WORK

CONSTRUCTION OF 2 STORY CLASSROOM BUILDING PER FC02-110618, 2-STOP ELEVATOR PER FC02-109575, SINGLE STORY CLASSROOM PER FC02-110364, 4 SHADE STRUCTURES PER FC02-110655, SITE INFRASTRUCTURE, SYNTHETIC TRACK AND FIELD, CHU BALL WALLS AND GENERAL SITE IMPROVEMENTS.

SHEET INDEX

C COVER SHEET

CIVIL

- C1 TITLE SHEET
- C2 PRECISE GRADING PLAN
- C3 PRECISE GRADING PLAN
- C4 PRECISE GRADING PLAN
- C5 PRECISE GRADING PLAN
- C6 UTILITY PLAN
- C7 DETAIL SHEET
- C8 DETAIL SHEET

LANDSCAPING

- L-1 IRRIGATION PLAN
- L-2 IRRIGATION DETAILS AND LEGEND
- L-3 PLANTING PLAN
- L-4 PLANTING DETAILS AND LEGEND

ARCHITECTURAL

- A-10 SITE DEMO PLAN
- A-11 SITE PLAN
- A-15 EMERGENCY FIRE ACCESS PLAN
- A-12 ENLARGED SITE PLAN
- A-13 SITE DETAILS
- A-14 SITE DETAILS
- A-15 SITE DETAILS
- A-16 SITE DETAILS

STRUCTURAL

- S-11 GENERAL NOTES, ABBREVIATIONS, AND DRAWINGS INDEX
- S-12 TYPICAL DETAILS
- S-21 PARTIAL SITE FOUNDATION PLAN
- S-22 PARTIAL SITE FOUNDATION PLAN
- S-31 DETAILS
- S-32 DETAILS

ELECTRICAL

- E-01 SYMBOL LIST AND GENERAL NOTES
- E-02 SINGLE LINE DIAGRAM
- E-03 FIRE ALARM GENERAL NOTES, SYMBOLS AND DETAILS
- E-04 FIRE ALARM RISER AND CALCULATION
- E-05 ELECTRICAL DETAILS
- E-06 SITE ELECTRICAL PLAN
- E-11 GROUND FLOOR POWER AND SIGNAL PLAN
- E-12 GROUND FLOOR FIRE ALARM PLAN
- E-21 UPPER FLOOR POWER AND SIGNAL PLAN
- E-22 UPPER FLOOR FIRE ALARM PLAN
- E-31 PERFORMING ARTS ELECTRICAL PLAN

FIRE PROTECTION

- FP-1 FIRE SPRINKLER PIPING PLAN UPPER FLOOR
- FP-2 FIRE SPRINKLER PIPING PLAN GROUND FLOOR / SINGLE

STATEMENT BY ARCHITECT UTILIZING PLANS PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

These drawings and/or specifications and/or calculations for the Shade Shelters and Modular Building(s) below have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. These documents have been examined by me for design intent and project specifications prepared by me. The items listed below have been coordinated with my plans and specifications and are acceptable for incorporation into the construction of this project for which I am the individual designated to be in general responsible charge (or for which I have been delegated responsibility for this portion of the work). List items reviewed and accepted. (For drawings, a list of all accepted drawings are to be attached.)

AND REVIEWED
 Signature of the Architect/Engineer
 Jim Strain, Architect
 P.S.W.C. Group Architects
 C19208
 License Number

Date
 7/5/11
 2/28/2013
 Expiration Date

SHADE SHELTERS

FC# 02-110655

NT201 BASIS OF DESIGN, PLANS, AND ELEVATIONS NT202 SECTIONS AND DETAILS

2-STORY MODULAR BUILDING

FC# 02-110618

T-6	COVER SHEET	62A	FOUNDATION DETAILS
A1	TYPICAL GROUND STORY FLOOR PLAN	63	LONGITUDINAL FRAME ELEVATION
A1U	TYPICAL UPPER STORY FLOOR PLAN	64	TRANSVERSE FRAME ELEVATION
A1A	RESTROOM OPTION FLOOR PLAN	65	FRAME CONNECTION DETAILS
A3	TYPICAL INTERIOR ELEVATIONS	96A	FRAME CONNECTION DETAILS
A3A	TYPICAL RESTROOM INTERIOR ELEVATIONS	96A	PARAPET FRAMING DETAILS
A4	TYPICAL EXTERIOR ELEVATIONS	91	BUILDING SECTIONS
A5	ARCHITECTURAL DETAILS W/ WOOD STUDS	98	TYPICAL FIRST FLOOR - FLOOR FRAMING LAYOUT
A6	ACCESSIBLE DETAILS	98A	TYPICAL SECOND FLOOR - FLOOR FRAMING LAYOUT
N1	GENERAL NOTES	93	FLOOR FRAMING PLANS AND DETAILS
N2	GENERAL NOTES	93A	FLOOR FRAMING DETAILS
M1	TYPICAL GROUND STORY REFLECTED CEILING PLAN	910	TYPICAL FIRST FLOOR - ROOF FRAMING LAYOUT
M1U	TYPICAL UPPER STORY REFLECTED CEILING PLAN	911	TYPICAL SECOND FLOOR - ROOF FRAMING LAYOUT
M2	MECHANICAL BUILDING SECTION AND CEILING DETAILS	912	ROOF FRAMING PLANS
M3	CEILING AND MECHANICAL NOTES	913	ROOF FRAMING DETAILS
E1	TYPICAL GROUND STORY ELECTRICAL PLANS	913A	STEEL MEMBER PROPERTIES
E1U	TYPICAL UPPER STORY ELECTRICAL PLANS	914	WALL FRAMING ELEVATIONS W/ WOOD STUDS
E2	ELECTRICAL NOTES AND DETAILS	915	WALL FRAMING DETAILS W/ WOOD STUDS
F1	ISOMETRIC PLANS AND DETAILS	916	STAIR PLAN AND DETAILS
RF1	ROOF PLAN	916A	ALTERNATE STAIR PLAN
S1	TYPICAL FOUNDATION PLANS	916B	STAIR DETAILS
S1U	STAIR FOUNDATION PLAN	916B	BALCONY FLOOR PLAN AND DETAILS
S2	FOUNDATION DETAILS	916B	

ELEVATOR

FC# 02-109575

S1	COVER SHEET	95	SECTIONS
S2	GENERAL NOTES	95A	TYPICAL WALL DETAILS
S3	FOUNDATION PLAN OPTIONS	95B	WALL DETAILS
S3A	FOUNDATION DETAILS	A1	DETAILS
S4	ROOF PLAN OPTIONS	A2	HOLELESS ELEVATOR PLANS, DETAILS AND ELEVATIONS
S4A	ROOF DETAILS	A4	ACCESS COMPLIANCE

1-STORY MODULAR BUILDING

FC# 02-110364

T-6	COVER SHEET	T24-1	FOUNDATION DETAILS
A1	TYPICAL GROUND STORY FLOOR PLAN	T24-2	FOUNDATION DETAILS
A3	MULTIPLE FLOOR PLAN CONFIGURATIONS	T24-3	LONGITUDINAL FRAME ELEVATION
A5	TYPICAL EXTERIOR ELEVATIONS	T24-4	TRANSVERSE FRAME ELEVATION
A5A	ARCHITECTURAL DETAILS W/ WOOD STUDS	91B	PARAPET FRAMING DETAILS
AD	GENERAL NOTES	91C	BUILDING SECTIONS
N1	TYPICAL GROUND STORY REFLECTED CEILING PLAN	91D	TYPICAL FIRST FLOOR - FLOOR FRAMING LAYOUT
N2	TYPICAL UPPER STORY REFLECTED CEILING PLAN	92A	TYPICAL FIRST FLOOR - ROOF FRAMING LAYOUT
P1	RESTROOM OPTION REFLECTED CEILING PLANS	93	TYPICAL SECOND FLOOR - ROOF FRAMING LAYOUT
M1	RESTROOM OPTION REFLECTED CEILING PLANS	931	ROOF FRAMING PLANS
M2	CEILING AND MECHANICAL NOTES	93A	ROOF FRAMING DETAILS
M21	TYPICAL GROUND STORY ELECTRICAL PLANS	94	STEEL MEMBER PROPERTIES
M3	TYPICAL UPPER STORY ELECTRICAL PLANS	94A	WALL FRAMING ELEVATIONS W/ WOOD STUDS
E1	RESTROOM OPTION ELECTRICAL PLANS	94B	WALL FRAMING DETAILS W/ WOOD STUDS
E2	ISOMETRIC PLANS AND DETAILS	95	WALL FRAMING ELEVATIONS W/ METAL STUDS
		95A	WALL FRAMING DETAILS W/ METAL STUDS
		91	BUILDING SECTIONS

DEFERRED APPROVALS

INSTALLATION OF **ELEVATOR GUIDE RAILS**
 SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS ARE APPROVED BY THE DIVISION OF THE STATE ARCHITECT
ALLOW 90 DAYS FOR INITIAL REVIEW

KEPPEL ELEMENTARY SCHOOL

700 GLENWOOD RD., GLENDALE CA 91201
GLENDALE UNIFIED SCHOOL DISTRICT
 2-STORY CLASSROOM ADDITION

BUILDING DATA

SITE IMPROVEMENTS CODES: (SITE ADAPTIVE) MODULAR BUILDING CODES: (FC APPROVAL)

LIST OF 2010 CALIFORNIA CODE OF REGULATIONS (C.C.R.):

- PART 1 2010 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
- PART 2 2010 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R.
- (2009 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)
- PART 3 2010 ELECTRICAL CODE, TITLE 24 C.C.R.
- (2008 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
- PART 4 2010 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R.
- (2009 NATIONAL MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
- PART 5 2010 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R.
- (2009 NATIONAL PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
- PART 6 2010 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.
- PART 7 2010 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE
- PART 8 2010 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.
- PART 9 2010 CALIFORNIA FIRE CODE, TITLE 24 C.C.R.
- (2009 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
- PART 10 2010 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R.
- (2009 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)
- PART 12 2010 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24 C.C.R.

LIST OF 2010 CALIFORNIA CODE OF REGULATIONS (C.C.R.):

- NFPA 13 AUTOMATIC SPRINKLER SYSTEM (CALIFORNIA AMENDED) 2010 EDITION
- NFPA 14 STANDPIPE SYSTEMS 2010 EDITION
- NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2009 EDITION
- NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS 2009 EDITION
- NFPA 30 STATIONARY PUMPS 2010 EDITION
- NFPA 24 PRIVATE FIRE SERVICE MANS 2010 EDITION
- NFPA 25 INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (WITH CALIFORNIA AMENDMENTS) 2010 EDITION
- NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 2010 EDITION
- (NOTE: SEE UL STANDARD 921 FOR "VISUAL DEVICES")

LIST OF 2001 CALIFORNIA CODE OF REGULATIONS (C.C.R.):

- PART 1 2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
- PART 2 2001 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R.
- (2000 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)
- PART 3 2001 ELECTRICAL CODE, TITLE 24 C.C.R.
- (2000 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
- PART 4 2001 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R.
- (2000 NATIONAL MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
- PART 5 2001 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R.
- (2000 NATIONAL PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
- PART 6 2001 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.
- PART 7 2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE
- PART 8 2001 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.
- PART 9 2001 CALIFORNIA FIRE CODE, TITLE 24 C.C.R.
- (2000 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
- PART 10 2001 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R.
- (2000 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)
- PART 12 2001 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24 C.C.R.

LIST OF 2001 CALIFORNIA CODE OF REGULATIONS (C.C.R.):

- NFPA 13 AUTOMATIC SPRINKLER SYSTEM (CALIFORNIA AMENDED) 2001 EDITION
- NFPA 14 STANDPIPE SYSTEMS 2001 EDITION
- NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2001 EDITION
- NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS 2001 EDITION
- NFPA 30 STATIONARY PUMPS 2001 EDITION
- NFPA 24 PRIVATE FIRE SERVICE MANS 2001 EDITION
- NFPA 25 INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (WITH CALIFORNIA AMENDMENTS) 2001 EDITION
- NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 2001 EDITION
- (NOTE: SEE UL STANDARD 921 FOR "VISUAL DEVICES")
- NFPA 253 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 2006 EDITION
- NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2004 EDITION

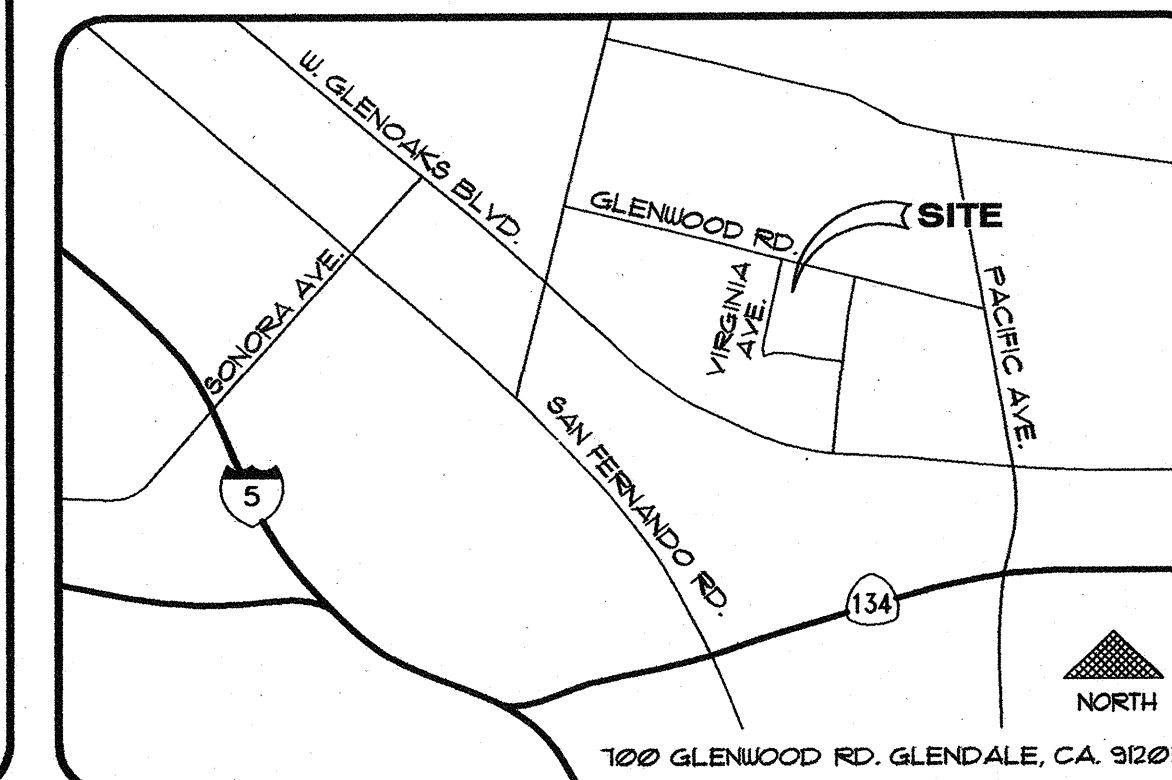
GENERAL NOTES:

- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, 2010 CALIFORNIA BUILDING CODE (SITE IMPROVEMENTS) / 2001 CALIFORNIA BUILDING CODE (FC PLANS).
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-336, PART 1, TITLE 24, C.C.R.
- A SPECIAL AND PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK, THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, C.C.R.
- A DSA INSPECTOR WITH CLASS I CERTIFICATION IS REQUIRED FOR THIS PROJECT.
- ALL SMOKE / FIRE DAMPERS AND AUTO SHUT OFF FOR HVAC TO BE TESTED AND INSPECTED. ANY OPERATION OF EQUIPMENT OR COMPONENT NOT OPERATING AND FOUND TO BE DEFECTIVE, SHALL BE MADE IN THE PRESENCE OF THE IOR. (10/21/05) CFC.
- THERE IS NO EXISTING FIRE SUPPRESSION SYSTEM OR TYPE I HOOD ON THIS ELEMENTARY SCHOOL.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS, AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- DRINKING WATER SUPPLY SHALL COMPLY WITH ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS.
- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (C.C.R.).
- ALL SITE PREPARATIONS SHALL BE PER GEOTECHNICAL REPORT PREPARED BY GORIAN + ASSOCIATES, INC. DATED MARCH 4, 2011 - WORK ORDER 2894-0-100
- IN THE BUILDING AREAS, THE REMOVALS SHOULD EXTEND TO A DEPTH OF 5 FEET BELOW PROPOSED PAD GRADE, OR 36 INCHES BELOW THE BOTTOM OF PROPOSED FOOTINGS, WHICHEVER IS DEEPER. THE REMOVALS SHOULD EXTEND BEYOND PROPOSED PERIMETER FOOTINGS A MINIMUM OF 5 FEET OR EQUAL TO THE DEPTH OF REMOVAL, WHICHEVER IS DEEPER IN HARDSCAPE AREAS AND AREAS TO RECEIVE FILL OUT SIDE OF BUILDING AREAS. REMOVALS OF 24 INCHES BELOW EXISTING GRADE OR DOWN TO COMPETENT NATIVE SOIL IS RECOMMENDED.

DESIGN TEAM

ARCHITECT: P.S.W.C. GROUP 1887 BUSINESS CENTER DRIVE SUITE J GLENDALE, CA 91201 TEL: (626) 892-2233 FAX: (626) 892-2644 CONTACT: GREG HAMMERS	STRUCTURAL: JOHNSON NELSON ASSOCIATES 311 SOUTH FERRISS AVE. SUITE H MONROVIA, CA 91016 TEL: (626) 756-6658 FAX: (626) 756-6659 CONTACT: JACKSON WU
CIVIL ENGINEER: GILBERT ENGINEERS & ASSOCIATES, INC 2 MERRILLATHER PLACE LADERA RANCHO, CA 91264 TEL: (949) 318-8679 FAX: (949) 318-8641 CONTACT: BILL GILBERT	ELECTRICAL: FSA ENGINEERING 3422 IRVINE AVENUE NEWPORT BEACH, CA 92660-3189 TEL: (949) 852-9525 FAX: (949) 852-1651 CONTACT: ALAN BRAVO
LANDSCAPE ARCHITECT: CD STUDIO LANDSCAPE ARCHITECTURE 3172 JESSICA STREET NEWPORT BEACH, CA 92620 TEL: (949) 952-2441 FAX: (949) 498-9929 CONTACT: BOB GRANDALL	OWNER: GLENDALE UNIFIED SCHOOL DISTRICT 349 W. MAGNOLIA AVENUE GLENDALE, CA 91204 TEL: (626) 507-0221 FAX: (626) 507-4931 CONTACT: JOHN FENTON

VICINITY MAP



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APR 11 10 58 AM
 DATE: 7/5/11
 ACT: 11-11-11
 DATE: 7/5/11

REVISION

P.S.W.C. Group
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 1887 BUSINESS CENTER DRIVE SUITE J
 GLENDALE, CA 91201
 TEL: (626) 892-2233
 FAX: (626) 892-2644

KEPPEL ELEMENTARY SCHOOL
 2 STORY CLASSROOM ADDITION
 GLENDALE UNIFIED SCHOOL DISTRICT
 700 GLENWOOD RD., GLENDALE, CA 91201

JOB NO.
 DATE
 DRAWN BY
 DATE
 01-01-11
 DAN SHENAR

COVER SHEET

C

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GRADING NOTES:

1. ALL GRADING SHALL COMPLY WITH UBC CHAPTERS 18 & 33 AND APPENDIX CHAPTER 33
2. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN 2 FOOT HORIZONTAL TO 1 FOOT VERTICAL (2:1) EXCEPT WHERE SPECIFICALLY APPROVED OTHERWISE.
3. FILLS SHALL BE COMPACTED THROUGHOUT TO A MINIMUM OF 90 DENSITY. AGGREGATE BASE FOR ASPHALTIC AREAS SHALL BE COMPACTED TO A MINIMUM OF 95 % RELATIVE DENSITY. MAXIMUM DENSITY SHALL BE DETERMINED BY UNIFORM BUILDING CODE STANDARD NO. 70-1 OR APPROVED EQUIVALENT, AND FIELD DENSITY BY UNIFORM CODE STANDARD NO. 70-2 OR APPROVED EQUIVALENT.
4. THE CONTRACTOR SHALL NOT CREATE ANY TRENCH OR EXCAVATION 5-FEET OR MORE WITHOUT THE NECESSARY PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY.
5. ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY THE GEOTECHNICAL ENGINEER TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS, THE GEOTECHNICAL ENGINEER SHALL SUBMIT RECOMMENDED TREATMENT TO THE CALIFORNIA GEOLOGY SURVEY FOR APPROVAL.
6. ALL EXISTING DRAINAGE COURSES THROUGH THE SITE SHALL REMAIN OPEN TO HANDLE THE STORM WATER; HOWEVER, IN ANY CASE, THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.
7. APPROVED EROSION PROTECTION DEVICES SHALL BE PROVIDED AND MAINTAINED DURING THE RAINY SEASON AND SHALL BE IN PLACE AT THE END OF EACH DAY'S WORK. PROPER EROSION CONTROL MEASURES MUST BE SHOWN ON THE PLANS.
8. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
9. ALL DIRT, SAND, MUD OR DEBRIS DEPOSITED OR SPILLED UPON PUBLIC STREETS DURING ANY GRADING, HAULING, OR EXPORT OPERATIONS SHALL BE IMMEDIATELY CLEANED UP BY THE DEVELOPER, HIS CONTRACTOR, SUBCONTRACTORS, OR AGENTS TO THE SATISFACTION OF THE CITY ENGINEER. FAILURE TO DO SO WILL BE CAUSE FOR STOPPING ALL SUCH GRADING, HAULING, OR EXPORT WORK BY THE CITY UNTIL SUCH TIME AS THE STREETS ARE CLEANED.
10. ALL TRUCKS HAULING DIRT, SAND, SOIL, OR OTHER LOOSE MATERIALS ARE TO BE COVERED OR SHOULD MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

ENGINEER'S NOTICE TO CONTRACTORS:

1. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
2. ALL UNDERGROUND UTILITIES OR STRUCTURES, REPORTED OR FOUND ON PUBLIC RECORDS, ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH THE IMPROVEMENTS HEREON, AGREES TO ASSUME LIABILITY AND TO HOLD THE ENGINEER HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED OR INDICATED ON PUBLIC RECORDS, OR THOSE CONSTRUCTED AT VARIANCE WITH REPORTED OR RECORDED LOCATIONS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN, AND ANY OTHERS FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF ALL UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.
3. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
4. THE ENGINEER DOES NOT RECOMMEND OR ENDORSE THE USE OF ASBESTOS-CEMENT WATER PIPE OR ANY PRODUCTS CONTAINING ASBESTOS DUE TO THE HEALTH HAZARD CONNECTED WITH SUCH PRODUCTS. SPECIFICATION HEREON OF ANY SUCH PRODUCT IS AT THE DIRECTION OF THE JURISDICTIONAL AGENCY. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL CONSTRUCTION, CONNECTION AND REMOVAL OF ASBESTOS PRODUCTS AND SHALL FOLLOW ALL OSHA & EPA GUIDELINES TO MINIMIZE HEALTH HAZARDS.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN HEREON AT THE JOB SITE PRIOR TO ANY CONSTRUCTION. GILBERT ENGINEERING & ASSOCIATES, INC. SHALL BE NOTIFIED OF ANY DISCREPANCIES. REVISIONS TO THE PLAN SHALL BE APPROVED BY THE ENGINEERING IN WRITING PRIOR TO IMPLEMENTATION.

LEGEND:

AC	ASPHALTIC CONCRETE	LF	LINEAR FEET
BDG	BUILDING	LANDG	LANDING
BLK	BLOCK	MS	MOW STRIP
BT	BOTTOM OF TRENCH	NG	NATURAL GRADE
BW	BACK OF WALK	OH	OVERHANG
CF	CURB FACE	PA	PLANTER AREA
CLR	CLEAR	PCC	PORTLAND CONCRETE CEMENT
CO	CLEAN OUT	PIV	POST INDICATOR VALVE
COL	COLUMN	PL	PROPERTY LINE
CY	CUBIC YARDS	RD	ROOF DRAIN
DDC	DOUBLE DETECTOR CHECK	RF	ROOF
DOM WS	DOMESTIC WATER SERVICE	SCO	SEWER CLEAN OUT
DRN	DRAIN	SD	STORM DRAIN
D/W	DRIVE WAY	SG	SUB GRADE
EL	ELEVATION	ST LT	STREET LIGHT
EOC	EDGE OF CONCRETE	S/W	SIDEWALK
EX	EXISTING	TC	TOP OF CURB
FDC	FIRE DEPARTMENT CONNECTION	TF	TOP OF FOOTING
FF	FINISHED FLOOR	TG	TOP OF GRATE
FG	FINISHED GRADE	TEL PED	TELEPHONE PEDESTAL
FH	FIRE HYDRANT	TP	TELEPHONE POLE
FL	FLOW LINE	TRANS	TRANSFORMER
FS	FINISHED SURFACE	TW	TOP OF WALL
GB	GRADE BREAK	TYP	TYPICAL
GF	GARAGE FLOOR	WI	WIDELIGHT IRON
GND	GROUND	WM	WATER METER
INV	INVERT	YD LT	YARD LIGHT
LA	LANDSCAPE AREA	(2:1-2:1)	EXISTING ELEVATION
		SCREEN	SCREEN WALL

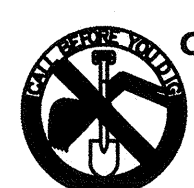
NOTES:

DEMOLITION OF EXISTING ITEMS PER ARCHITECTS PLANS

INDEX OF SHEETS

- C1 - TITLE SHEET
- C2 - PRECISE GRADING PLAN
- C3 - PRECISE GRADING PLAN
- C4 - PRECISE GRADING PLAN
- C5 - PRECISE GRADING PLAN
- C6 - UTILITY PLAN
- C7 - DETAIL SHEET
- C8 - DETAIL SHEET

Underground Service Alert



Call: TOLL FREE
811

TWO WORKING DAYS BEFORE YOU DIG

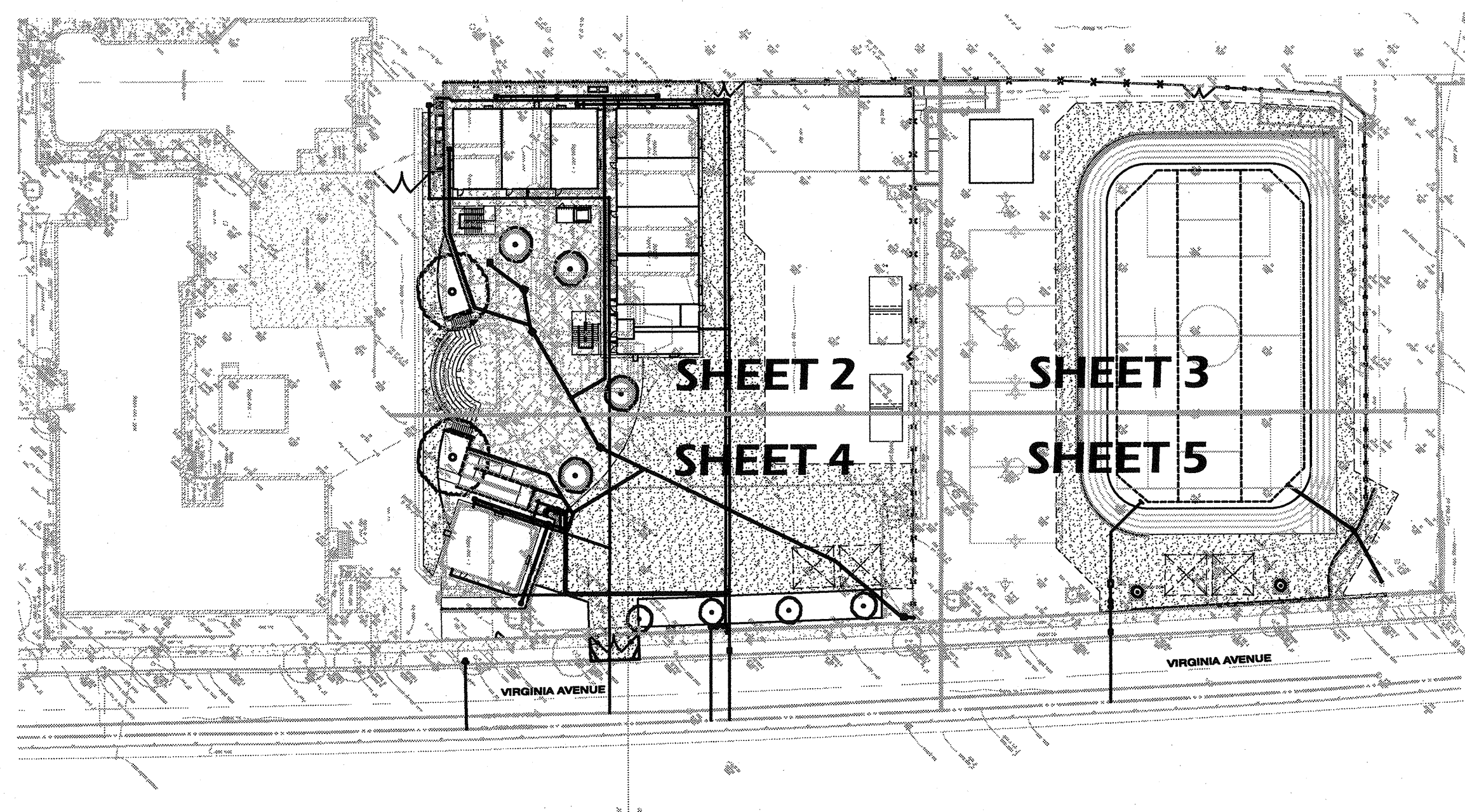
PRECISE GRADING PLAN

FOR

KEPPEL ELEMENTARY SCHOOL

GLENDALE UNIFIED SCHOOL DISTRICT

GLENDALE, CALIFORNIA



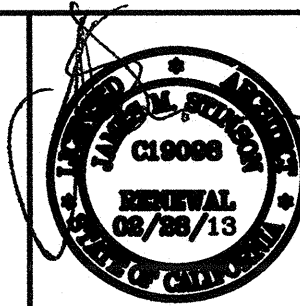
INDEX MAP:

SCALE: 1"=60'



VICINITY MAP

NOT TO SCALE



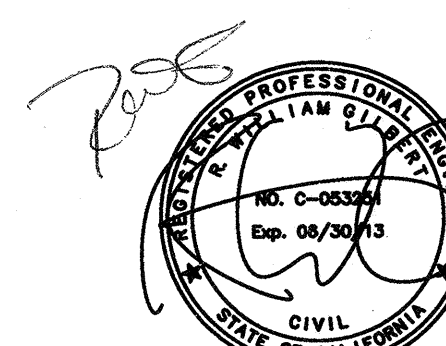
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED BY: [Signature]
DATE: JUL 11 2011

NO.	DESCRIPTION

PSWC Group
ARCHITECTURE
PLANNING
DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
SAN BERNARDINO, CA 92408
TEL: 909.890.2233 FAX: 909.890.2644

KEPPEL ELEMENTARY SCHOOL
2-STORY CLASSROOM ADDITION
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

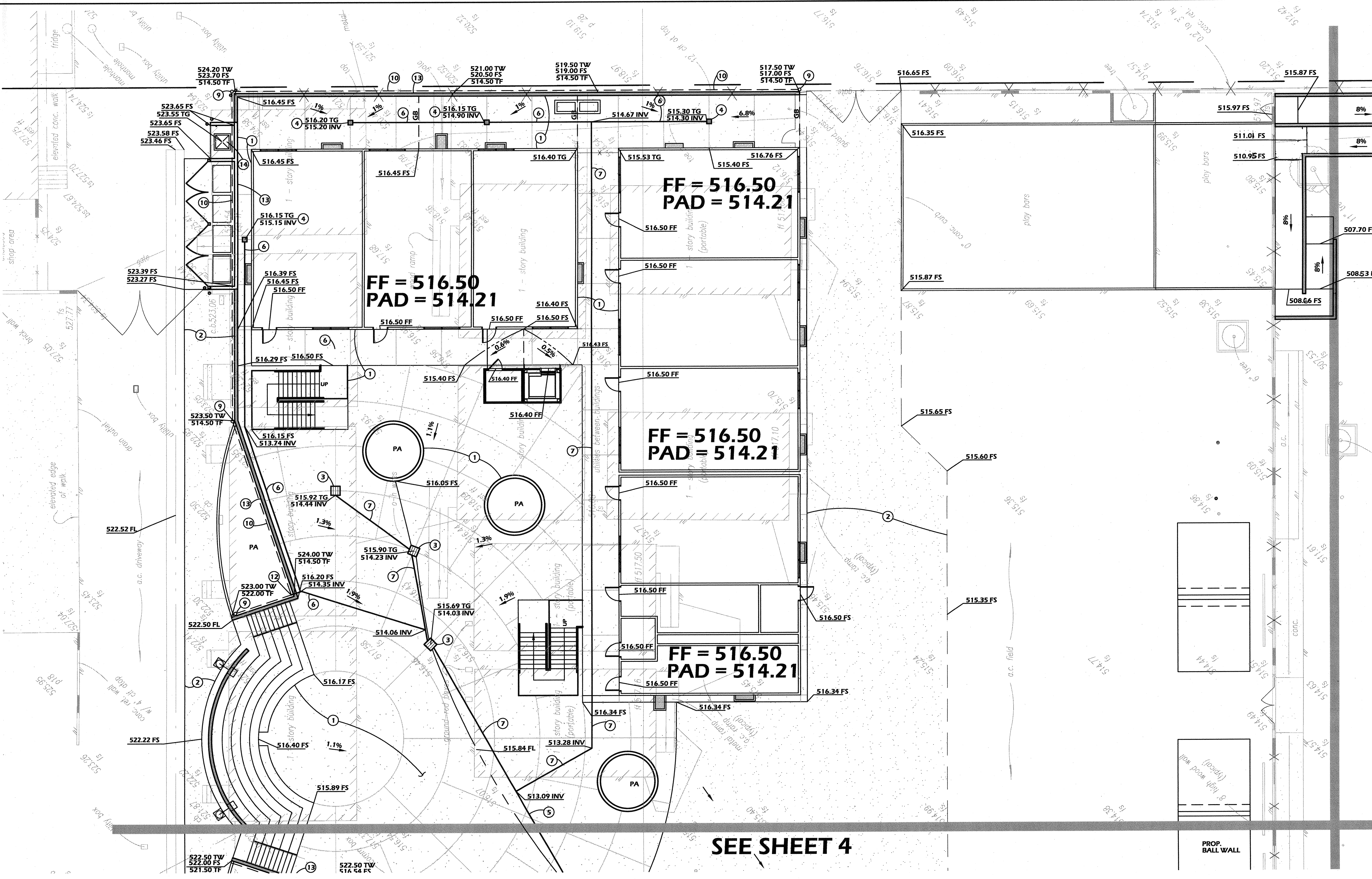
PLANS PREPARED BY:
GILBERT ENGINEERING
6335 W. 11TH STREET
21210 W. WATER PLACE
P.O. BOX 118027
SAN BERNARDINO, CA 92408
TEL: 909.248.8811 FAX: 909.248.8811
www.gilbert-engineering.com



DATE: 07-01-11
PROJECT NO.: P073
DRAWN BY: [Signature]
CHECKED BY: [Signature]

TITLE SHEET

C1



SEE SHEET 3

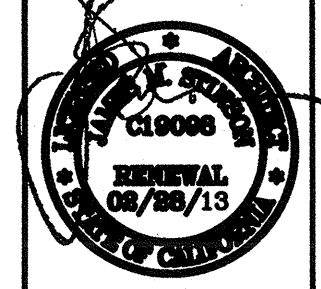
SEE SHEET 4

PRECISE GRADING CONSTRUCTION NOTES:

- 1 CONSTRUCT 4" P.C.C. PAVING OVER 4" CRUSHED MISCELLANEOUS BASE
- 2 CONSTRUCT 3" A.C. OVER 4" A.B. PAVING
- 3 CONSTRUCT 24" x 24" CATCHBASIN WITH A.D.A. GRATE INLET PER ARCHITECTS DETAIL 6/A-1.5
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- 16 CONSTRUCT P.C.C. DRIVEWAY APRON AND SIDEWALK PER A.P.W.A. STD PLAN NO. 110-1, TYPE B (W PER PLAN) ON SHEET 7

SCALE: 1" = 10'

PRECISE GRADING PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 11 1988
ARCH. P.L.S. SS. 52
DATE JUL 18 2011

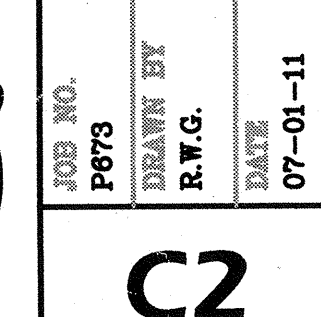
REVISION	DATE	BY
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PSC Group
ARCHITECTURE
PLANNING
INTERIOR DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
GLENDALE, CA 91201
TEL: 909.890.2233 FAX: 909.890.2444

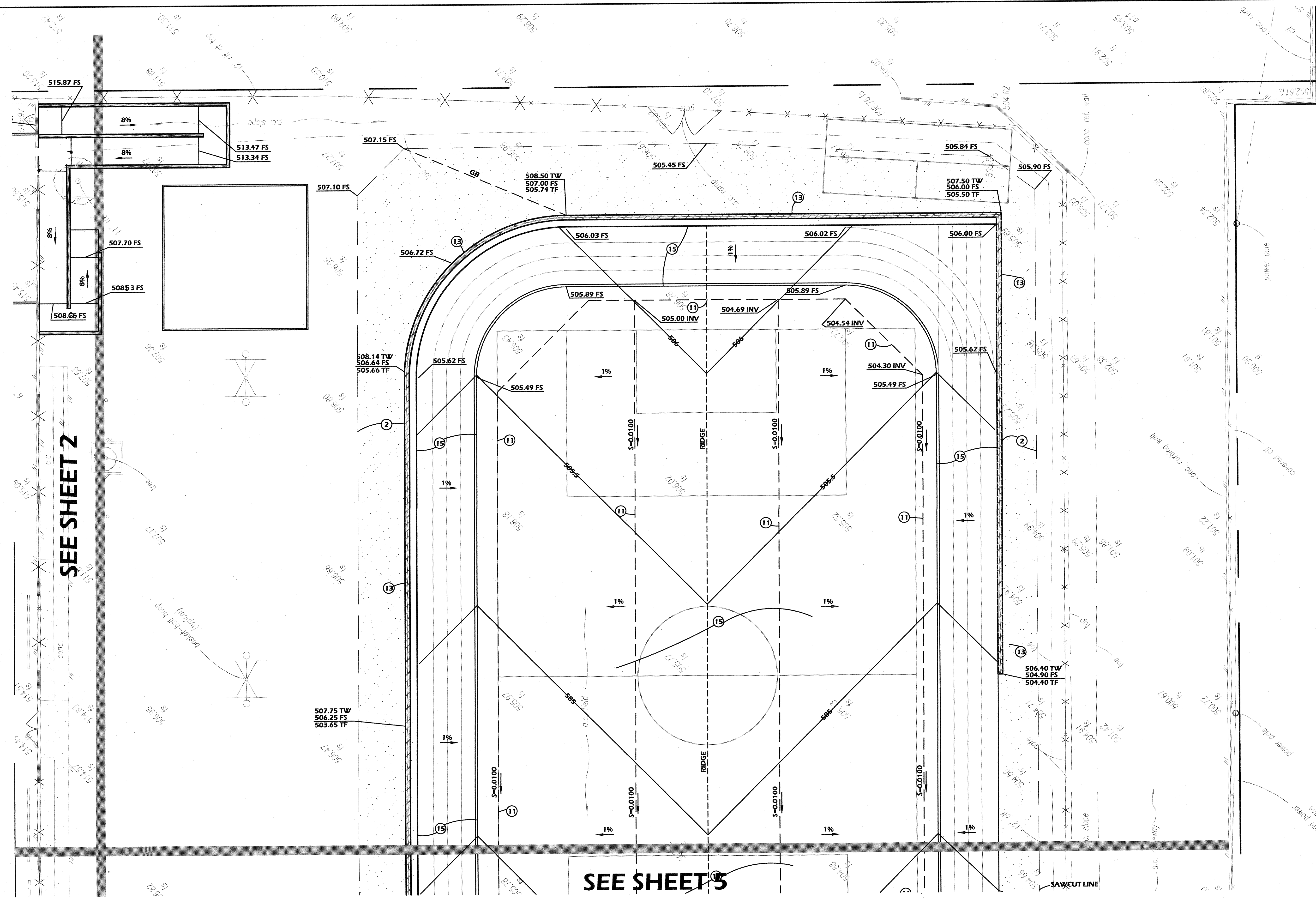
**KEPPEL ELEMENTARY SCHOOL
2-STORY CLASSROOM ADDITION**
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

PLANS PREPARED BY:
GILBERT ENGINEERING & ASSOCIATES, INC.
14080 BANCHELL PLACE
LA BREA BRANCH, CA 92249
TEL: (951) 218-9841
WWW.GILBERTENGINEERING.COM

JOB NO. 0979
DRAWN BY R.W.G.
DATE 07-01-11



C2



SEE SHEET 2

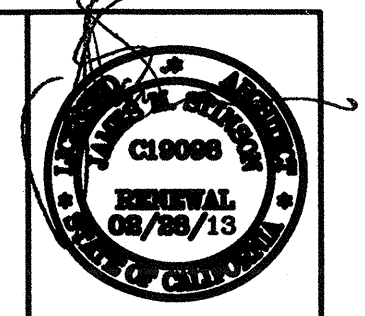
SEE SHEETS 3

PRECISE GRADING CONSTRUCTION NOTES:

- 1 CONSTRUCT 4" P.C.C. PAVING OVER 4" CRUSHED MISCELLANEOUS BASE
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- 16 CONSTRUCT P.C.C. DRIVEWAY APRON AND SIDEWALK PER A.P.W.A. STD PLAN NO. 110-1, TYPE B (W PER PLAN) ON SHEET 7

SCALE: 1" = 10'

PRECISE GRADING PLAN



INVESTIGATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED 11/3/08
DATE: JUL 16 2011

REVISION	DATE	DESCRIPTION
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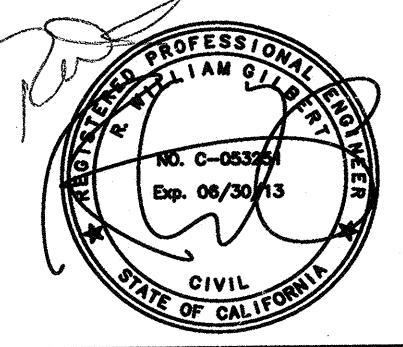
PSWC Group
ARCHITECTURE
PLANNING
INTERIOR DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
TEL: 959.890.2333 FAX: 959.890.2644

**KEPPEL ELEMENTARY SCHOOL
2-STORY CLASSROOM ADDITION**
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

PLANS PREPARED BY:
**GILBERT ENGINEERING
& ASSOCIATES, INC.**
14000 BAYVIEW BLVD. SUITE 100
LA BREA, CA 90639
TEL: 310.728.0975
WWW.GILBERTENGINEERING.COM

JOB NO. P879
DRAWN BY R.W.G.
DATE 07-01-11

C3



SEE SHEET 2

SEE SHEET 5

FF = 21.35
PAD = 19.35

VIRGINIA AVENUE

EX. 8" VCP SEWER

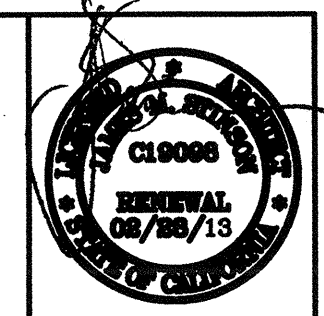
EX. 6" DIP WATER

PRECISE GRADING CONSTRUCTION NOTES:

- 1 CONSTRUCT 4" P.C.C. PAVING OVER 4" CRUSHED MISCELLANEOUS BASE
- 2 CONSTRUCT 3" A.C. OVER 4" A.B. PAVING
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- 16 CONSTRUCT P.C.C. DRIVEWAY APRON AND SIDEWALK PER A.P.W.A. STD PLAN NO. 110-1, TYPE B (W/ PER PLAN) ON SHEET 7

SCALE: 1" = 10'

PRECISE GRADING PLAN



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APR 11 10 2 8
 APR 11 10 2 8
 DATE: 06.18.2011

REVISION	DATE	BY	DESCRIPTION
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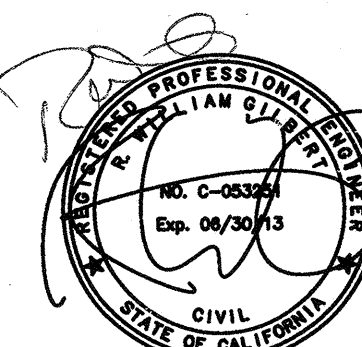
PSWC Group
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 1887 BUSINESS CENTER DRIVE SUITE 3
 GLENDALE, CA 91201
 TEL: 909.890.2333 FAX: 909.890.2444

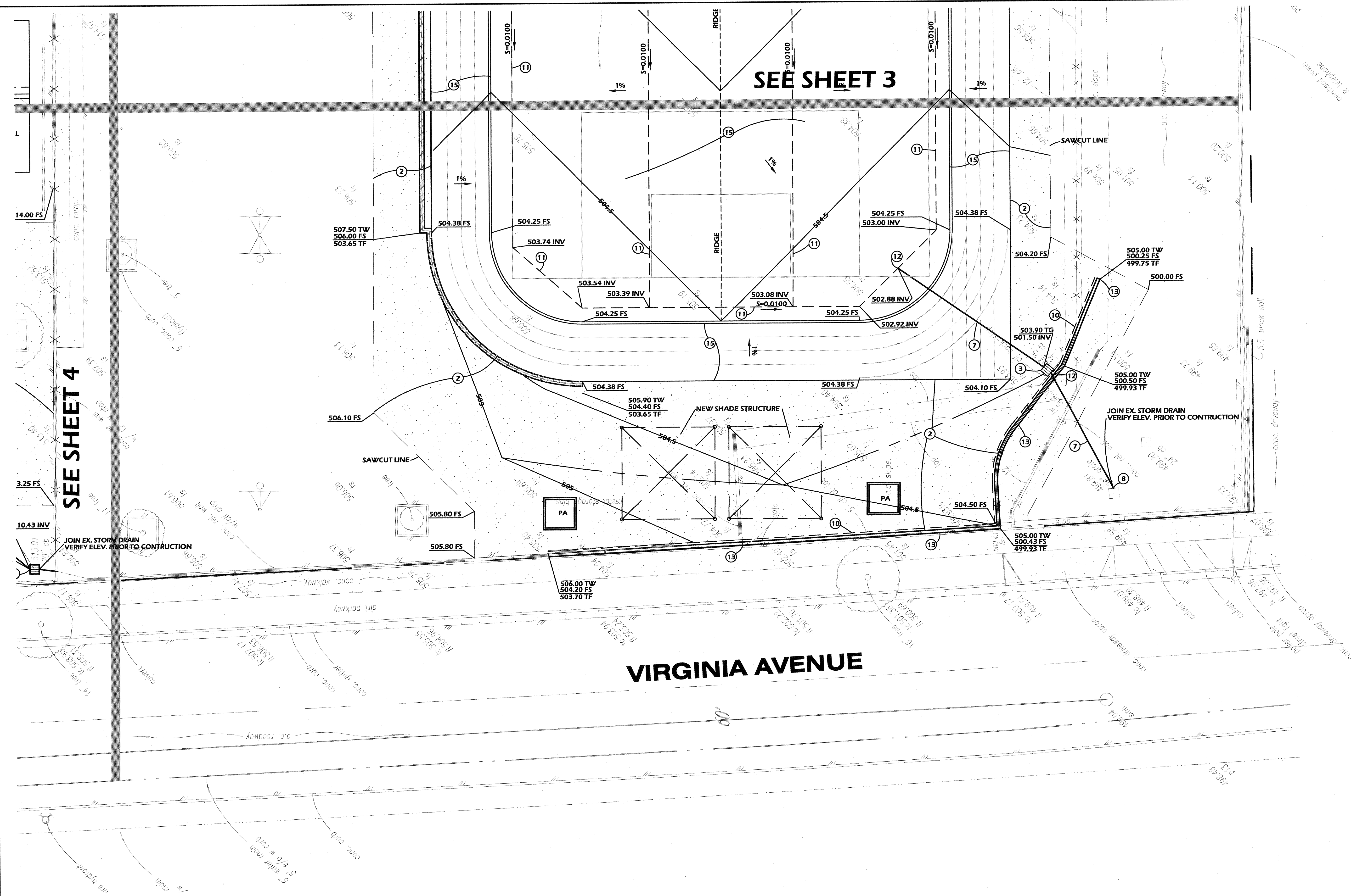
**KEPPEL ELEMENTARY SCHOOL
 2-STORY CLASSROOM ADDITION**
 GLENDALE UNIFIED SCHOOL DISTRICT
 700 GLENWOOD RD., GLENDALE, CA 91201

PLANS PREPARED BY:
**GILBERT ENGINEERING
 & ASSOCIATES, INC.**
 LAUREN W. GILBERT
 LAUREN W. GILBERT
 CIVIL ENGINEER
 No. C-50413
 Exp. 06/2013
 www.gilbertengineering.com

JOB NO. P879
 DRAWN BY R.W.G.
 DATE 07-01-11

C4





SEE SHEET 3

VIRGINIA AVENUE

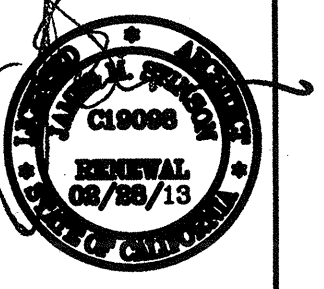
SEE SHEET 4

PRECISE GRADING CONSTRUCTION NOTES:

- 1 CONSTRUCT 4" P.C.C. PAVING OVER 4" CRUSHED MISCELLANEOUS BASE
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SCALE: 1" = 10'

PRECISE GRADING PLAN



REGISTRATION STAMP
 DIV. OF THE STATE ARCHITECT
 APR 11 8 9 8
 AG/CT-F.S. SS. ED
 DATE JUL 2011

REVISION	DATE	BY	DESCRIPTION
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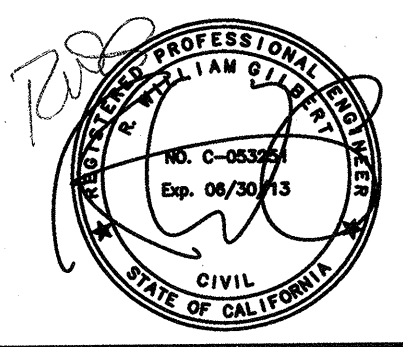
PWSC Group
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 1887 BUSINESS CENTER DRIVE SUITE 3
 GLENDALE, CA 91201
 TEL: 626-990-2333 FAX: 626-990-2444

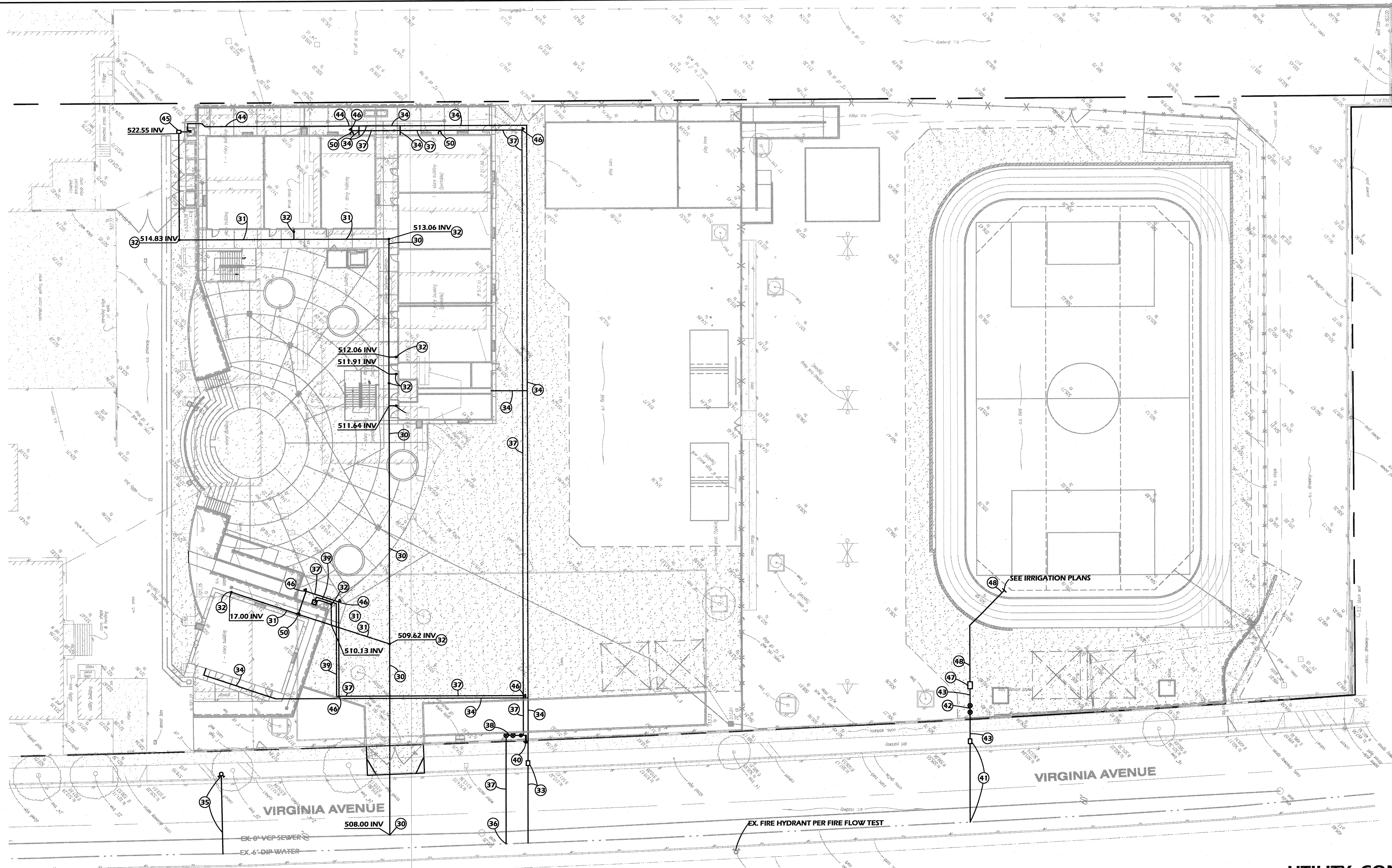
**KEPPEL ELEMENTARY SCHOOL
 2-STORY CLASSROOM ADDITION**
 GLENDALE UNIFIED SCHOOL DISTRICT
 700 GLENWOOD RD., GLENDALE, CA 91201

PLANS PREPARED BY
**GILBERT ENGINEERING
 & ASSOCIATES, INC.**
 14850 BANCHE CA #204
 LA BREA, CA 90639
 PH: (310) 216-8875
 WWW.GILBERTENGINEERING.COM

JOB NO. 11898
 DRAWN BY R.W.G.
 DATE 07-01-11

C5





02/18/2011 07:55 8195493777 EMC PAGE 02/02

Glendale Fire Department
Fire Flow Information

Released to Greg Hammers / PSWC Group Architects
 (greg@pswgroup.com) on 2/16/11

REF NO. 1925

Map Page# 1913	Hydrant # 28	Latest Release Date 2/15/2011
Location 1217	Virginia	Cross Street Glenwood
Test Date 2/14/2011	Time 10:20	Hydrant Type 2 1/2" X 4"
Requested by Greg Hammers / PSWC Group Architects	Phone # 909-890-2233	
Job Address 730 Glenwood	Fax #	
Static 86 psi	Residual 55 psi	Pilot 23 psi
Outlet Size 4	C-Factor 0.9	
Observed Flow 2060 gpm	Flow at 20 psi 3098 gpm	
By JM & AY	Gage No.	Receipt #

Comments
 Reservoir:
 - Weatorm 724
 - Level at time of test: 9'
 - Bottom of tank level: Approximately 705'
 Static / Residual taken at 1217 Virginia
 For hydraulic sprinkler calculations, utilize a 10% safety factor.

UNDERGROUND FIRE SERVICE

NFPA 24, Sec. 10.1.6, Table 10.1.1: All ferrous metal pipe shall be lined, and steel pipe shall be coated and wrapped with joints field-coated and wrapped after assembly, for buried pipe, galvanizing, internally or externally, does not meet the requirements of this section.

NFPA 24, Sec. 10.3.6.2: All bolted joint accessories shall be cleaned and thoroughly coated with asphalt or other corrosion-retarding material after insulation.

NFPA 24, Sec. 10.8.3.5: After installation, rods, nuts, bolts, washers, clamps, and other restraining devices, except thrust blocks, shall be cleaned and thoroughly coated with a bituminous or other acceptable corrosion retarding material.

NFPA 24, Sec. 10.8.2: Thrust blocks shall be a concrete mix not leaner than one part cement, two and one-half parts sand, and five parts stone. Thrust blocks shall be placed between undisturbed earth and the fitting to be restrained, and shall be bearing as to ensure adequate resistance to the thrust to be encountered. In general, thrust blocks shall be so placed that the joints will be accessible for inspection and repair.

NFPA 24, Sec. 10.10.1: Underground mains shall be completely flushed to remove foreign materials that might have entered the main during the course of the installation per table 10.10.1 to produce a velocity of 10 feet per second in pipes (witnessed by the Inspector of Record). Local fire jurisdiction shall be notified of date and time of testing so they may observe the testing when desired.

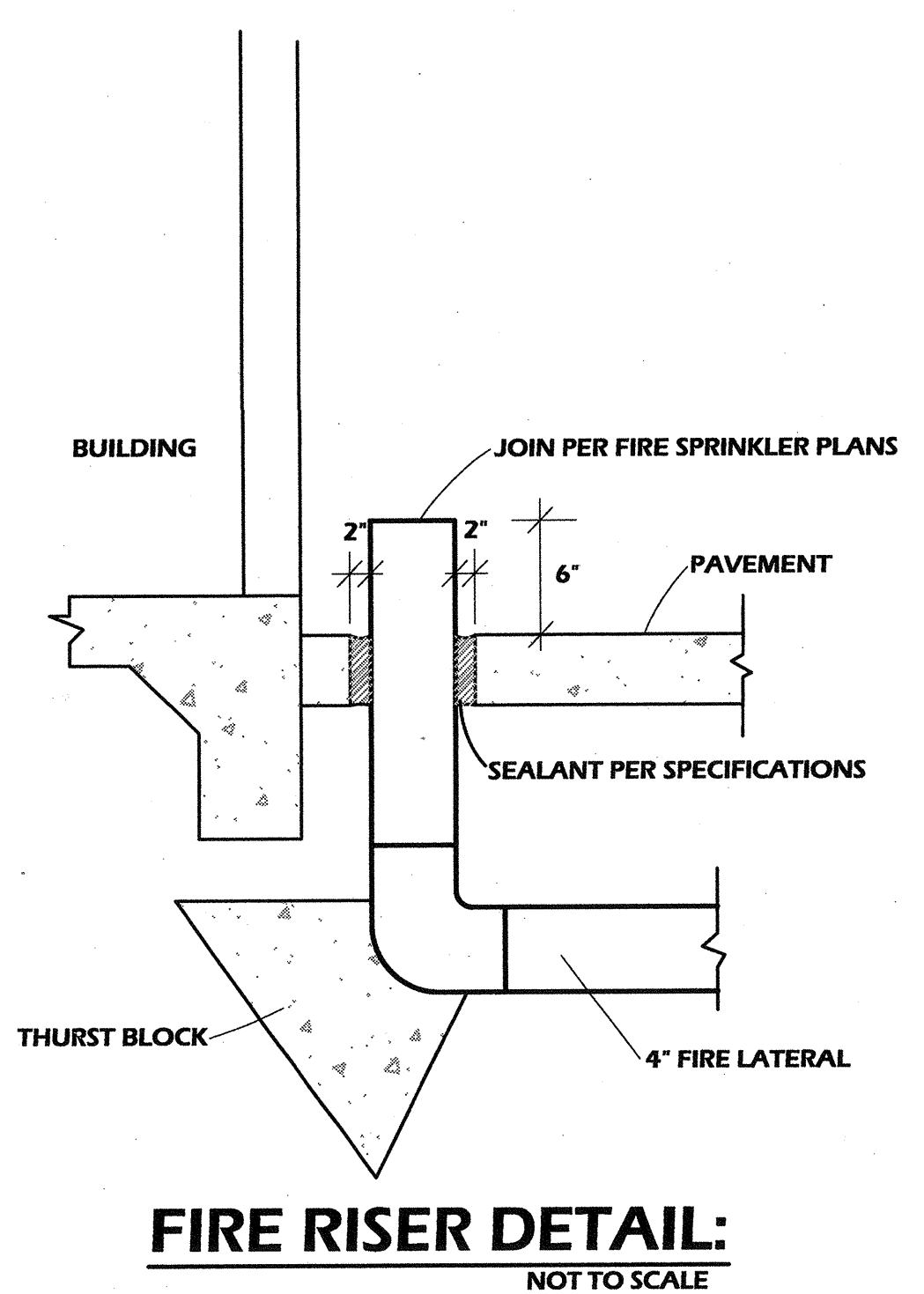
NFPA 24, Sec. 10.10.2.4, figure 10.10.1: All new private underground fire service mains shall be tested hydrostatically at not less than 200-psi pressure for a minimum of two hours (witnessed by the Inspector of Record). Local fire jurisdiction shall be notified of date and time of testing and shall observe and/or assist IOR when possible.

The amount of leakage in buried piping shall be measured at the specified test pressure by pumping from a calibrated container. For new pipe, the amount of leakage at the joints shall not exceed two-quarts per hour per 100 gaskets or joints irrespective of pipe diameter. No visible leakage shall be allowed in aboveground piping.

Hydrostatic tests shall be made before the joints are covered so that any leaks may be readily detected.

NFPA 24, Sec. 10.10.1: Before asking final approval of an installation by the IOR, restraining devices, except thrust blocks, shall be cleaned and tested and Material and Test Certificate submitted to the IOR. A typical certificate is shown in figure 10.10.1. This form shall be given to the IOR.

NFPA 24, Sec. 10.4: The depth of coverage over water pipe shall not be less than 2.5 feet to prevent mechanical damage and shall be buried a minimum of 3 feet under driveways.



UTILITY CONSTRUCTION NOTES:

- 30 CONSTRUCT 6" PVC (SDR 35) SEWER LATERAL CONNECTION PER AWWA STANDARD PLAN NO. 222-1 ON SHEET 7
- 31 CONSTRUCT 4" PVC (SDR 35) SEWER LATERAL
- 32 CONSTRUCT SEWER CLEAN OUT
- 33 CONSTRUCT 2" DOMESTIC WATER SERVICE LATERAL AND METER PER GLENDALE WATER AND POWER STD. PLAN NO. 1660-A ON SHEET 7
- 34 CONSTRUCT 2" PVC (C-900) DOMESTIC WATER LINE
- 35 CONSTRUCT 6" FIRE HYDRANT PER GLENDALE WATER AND POWER STANDARD PLAN NO. 4946-A ON SHEET 8
- 36 CONSTRUCT 8" x 8" x 4" HOT TAP
- 37 CONSTRUCT 4" PVC (C-900) FIRE WATER LINE
- 38 CONSTRUCT 4" DOUBLE DETECTOR CHECK VALVE BACKFLOW ASSEMBLY (MODEL WATTS - 709DCDA) PER GLENDALE WATER AND POWER STANDARD PLAN 6528-A ON SHEET 8
- 39 CONSTRUCT 1/2" PVC (SCH 40) DRINKING FOUNTAIN WATER LINE
- 40 CONSTRUCT 4" X 2 1/2" 2 WAY SIAMENSE FIRE DEPARTMENT CONNECTION (MODEL POTTER ROEMER 5761) PER DETAIL ON SHEET 8
- 41 CONSTRUCT 2" IRRIGATION WATER SERVICE LATERAL AND METER PER GLENDALE WATER AND POWER STD. PLAN NO. 1660-A ON SHEET 7
- 42 CONSTRUCT 2" IRRIGATION BACKFLOW ASSEMBLY PER GLENDALE WATER AND POWER STANDARD PLAN NO. 6528-A ON SHEET 8
- 43 CONSTRUCT 2" PVC (SCH 40) IRRIGATION WATER LINE
- 44 CONSTRUCT 1" PVC (SCH 40) TRASH CAN WASH WATER LINE
- 45 CONSTRUCT IN-LINE GREASE TRAP WITH CLEANOUT (ZURN LIGHT COMMERCIAL PRODUCT NO. GT2700) PER DETAIL ON SHEET 7
- 46 CONSTRUCT THRUST BLOCK PER DETAIL ON SHEET 7
- 47 CONSTRUCT IRRIGATION BOOSTER PUMP (SYCROFLOW MODEL NO. GATER 2" x 2" - 5 HP) PER DETAIL ON SHEET 7
- 48 CONSTRUCT 3" PVC (SCH 40) IRRIGATION WATER LINE
- 49 CONSTRUCT POST INDICATOR VALVE PER DETAIL (MODEL MUELLER A-20806) PER DETAIL ON SHEET 8
- 50 CONSTRUCT FIRE RISER PER DETAIL ON THIS SHEET

SCALE: 1" = 20'

UTILITY PLAN

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROVED BY: [Signature]
 DATE: JUL 11 2011

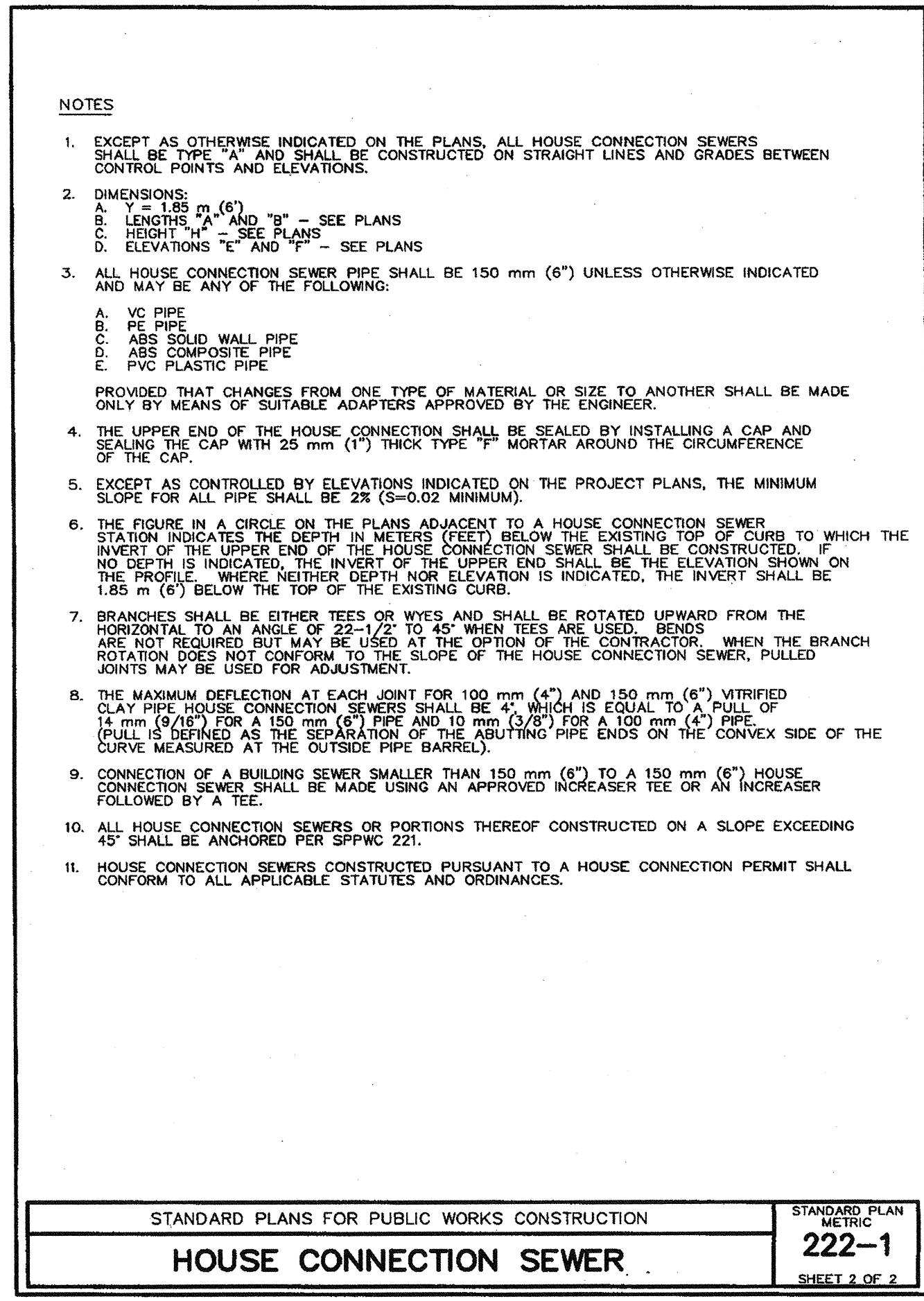
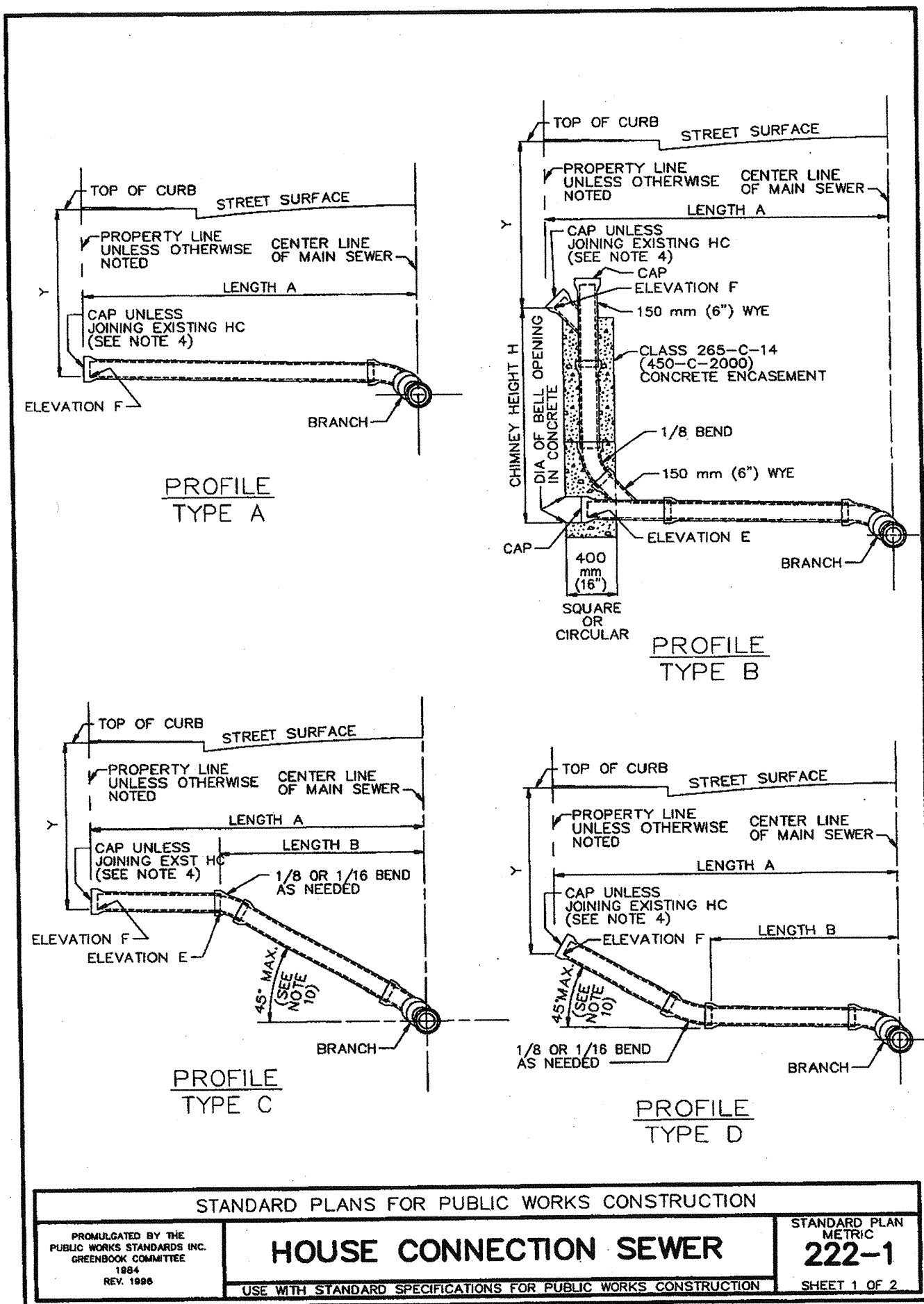
REVISION

PSWC Group
 ARCHITECTURE
 INTERIOR DESIGN
 1887 BUSINESS CENTER DRIVE SUITE 3
 SAN BERNARDINO, CA 92408
 TEL: 951-890-2233 FAX: 951-890-2444

PLANS PREPARED BY:
 GILBERT ENGINEERING
 2 HERBERT PLACE
 PL 1907 91807
 PL 1907 91807
 PL 1907 91807
 www.gilbert-engineering.com

DATE: 07-01-11

C6

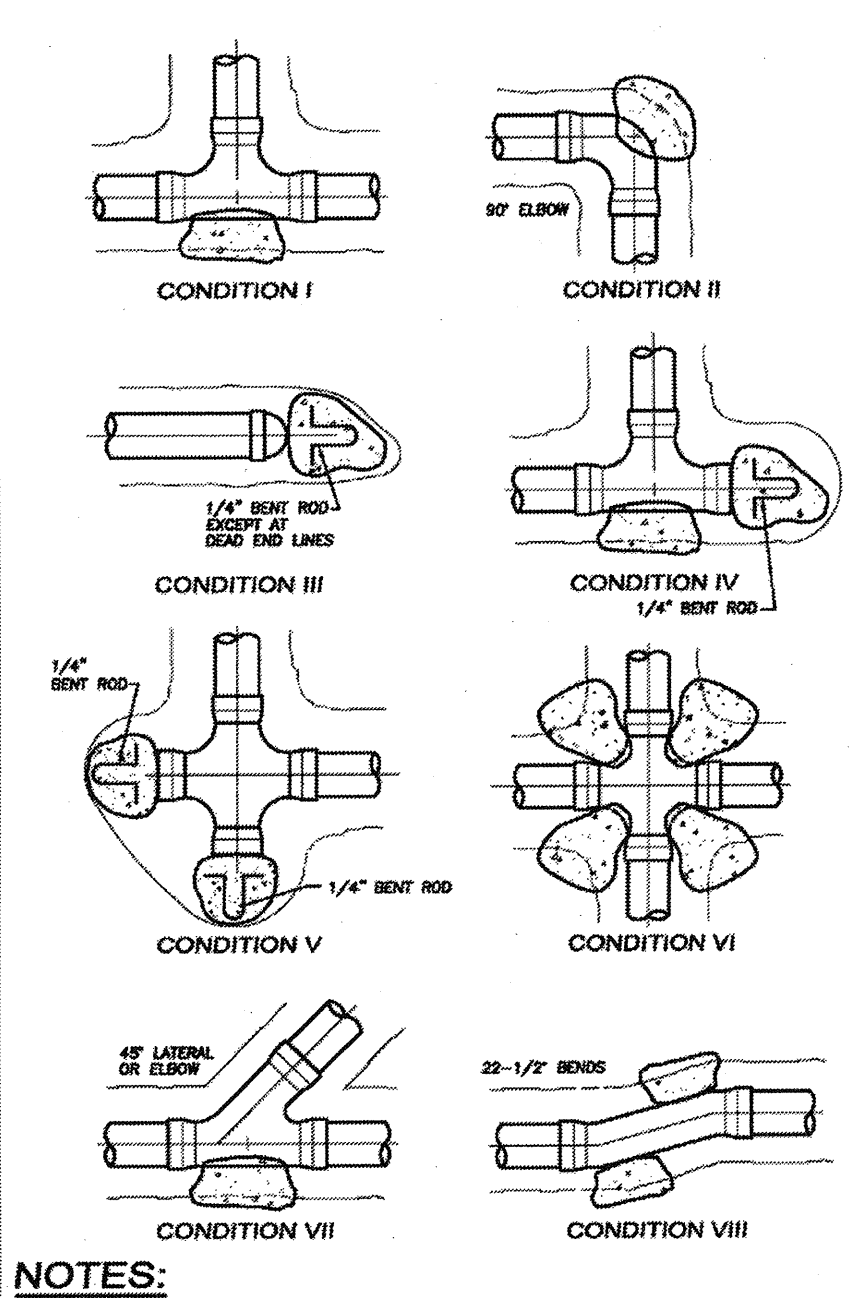


National Fire Prevention Association (NFPA 24)

MINIMUM SOIL BEARING CAPACITY (PSF) = 2000

MAXIMUM WORKING PRESSURE (PSI) = 200

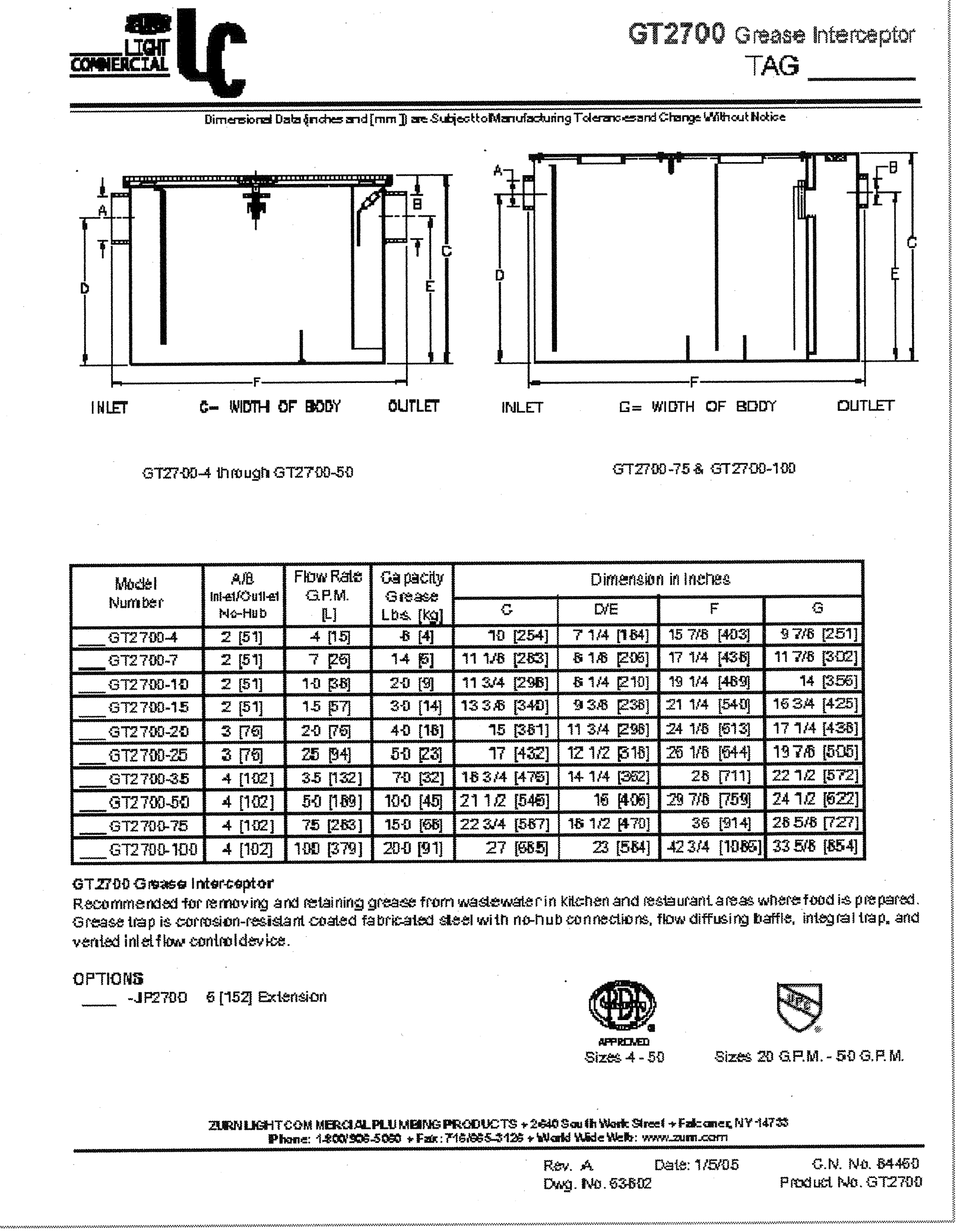
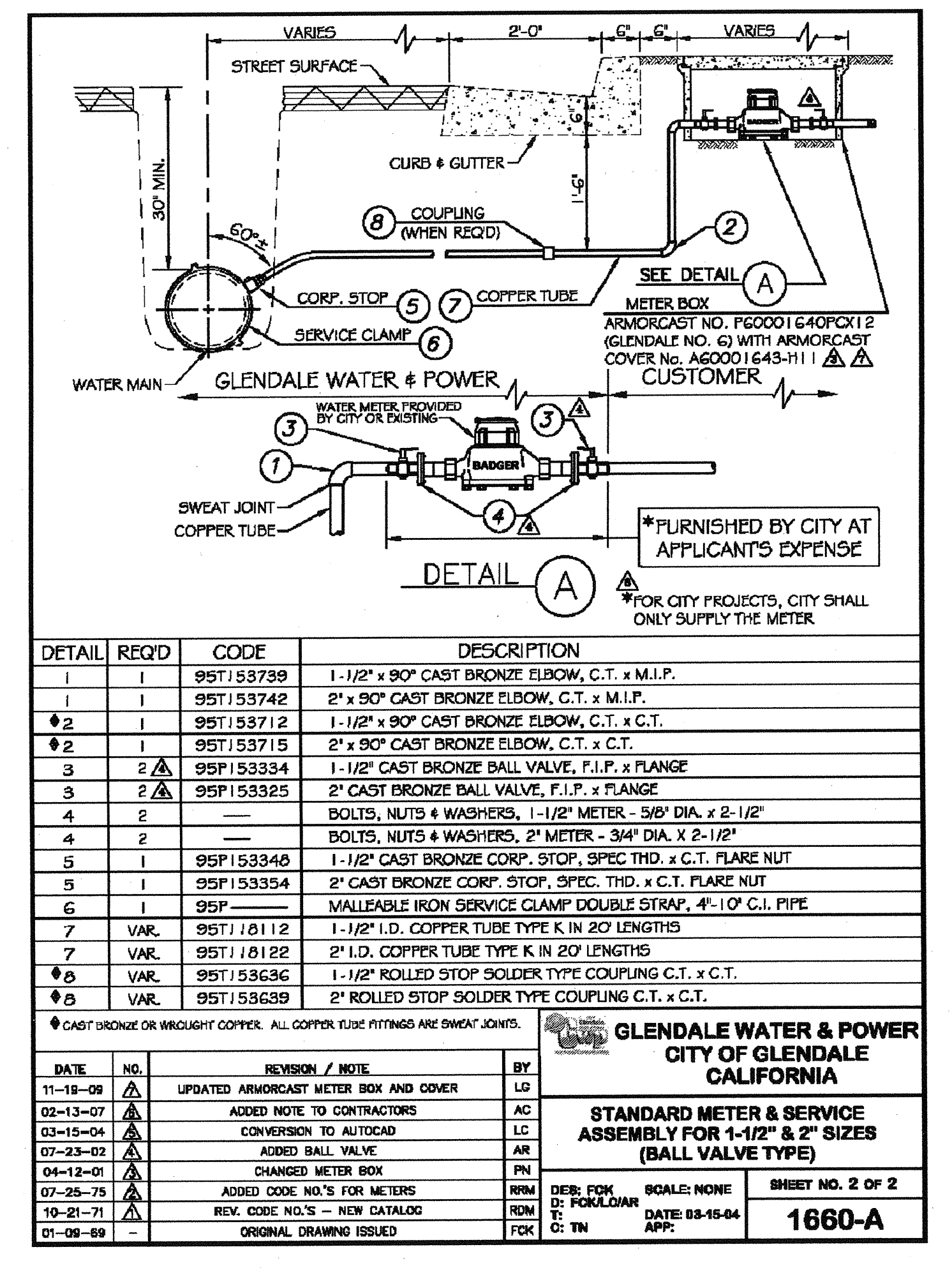
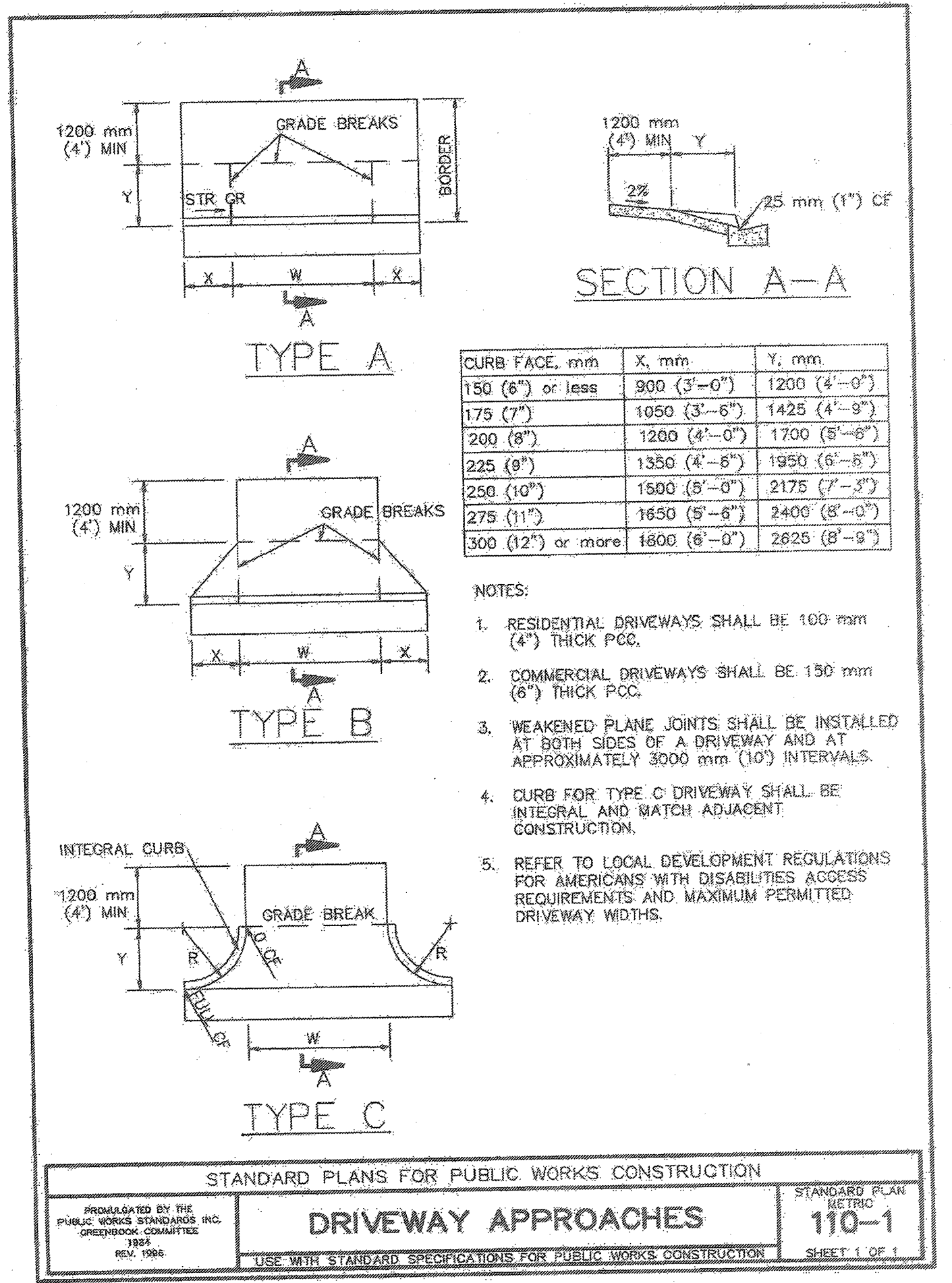
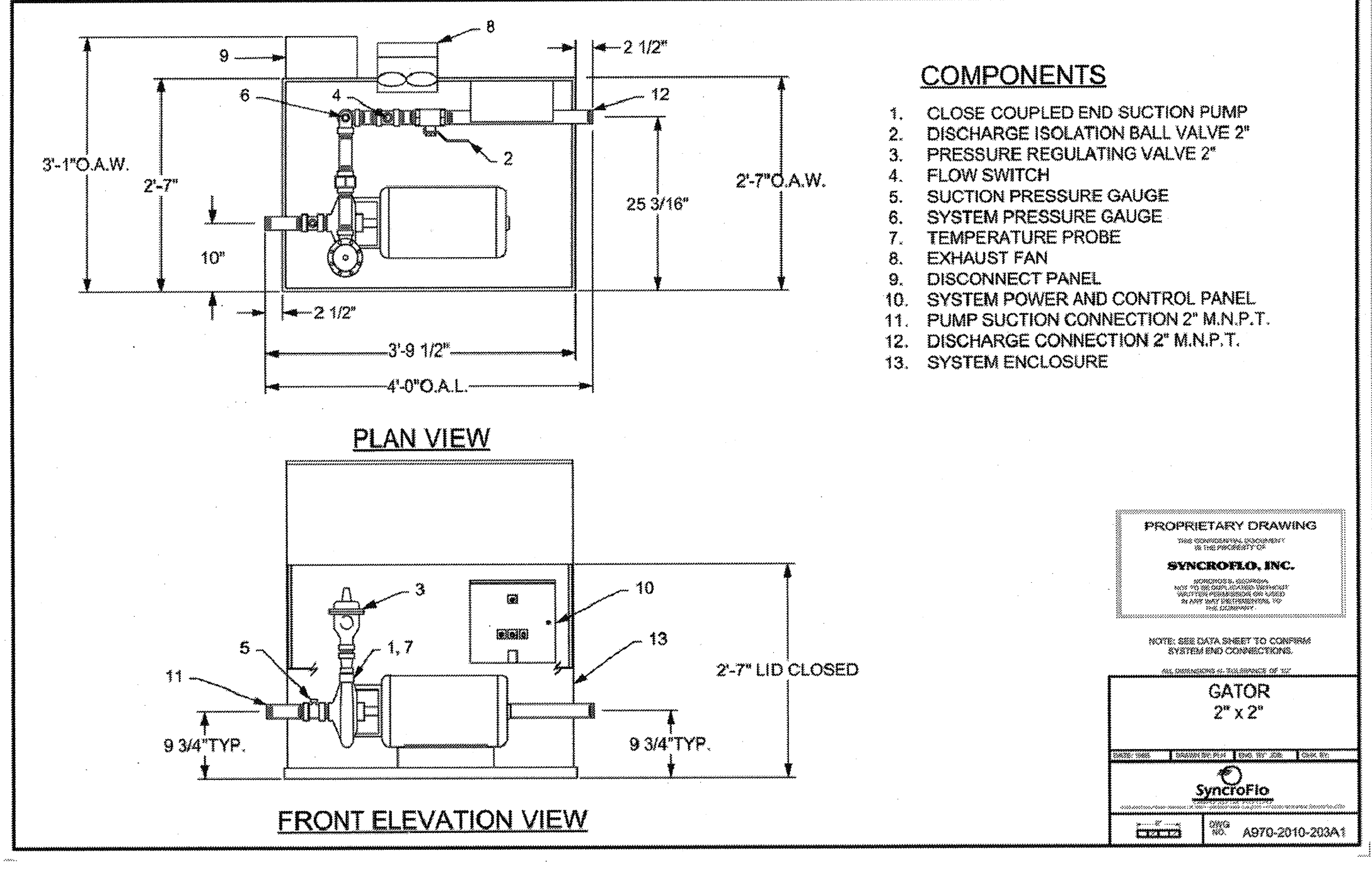
Nominal Pipe Diameter	TOTAL SQUARE FEET				
	90 degree bend	45 degree bend	22-1/2 degree bend	11-1/4 degree bend	5-1/8 degree bend
4	3.00	4.00	3.00	2.00	1.00
6	6.00	8.00	6.00	4.00	2.00
8	10.00	14.00	10.00	7.00	3.00



NOTES:

- PIPE FITTINGS SHALL BE WRAPPED WITH TWO LAYERS OF 80 LB. TAMP PAPER OR FELT.
- ALL BENDED BRISLS SHALL BE COATED WITH "SEWERMAT" 1422 OR APPROVED EQUAL.
- THRUST BLOCK AREA BASED ON 225 PSI PRESSURE AND 2,000 PSI ALLOWABLE SOIL PRESSURE WITH 2 1/2 FEET OF COVER MINIMUM.
- THRUST BLOCK BEARING FACES SHALL BE PLACED AGAINST UNDISTURBED SOIL. APPROVED COMPACTED SANDFILL OR CLASS 10-60 SAND MAY BE USED.
- THRUST BLOCKS SHALL BE CLASS 540-C-3250 CONCRETE, UNLESS SPECIFIED OTHERWISE.
- TO FACILITATE FUTURE REMOVAL OF THRUST BLOCKS AND LINE EXTENSIONS:
A. INSTALL 1/4" BEND ROD HANDLES.
B. USE CHANGEBAR SPACERS BETWEEN BLOCKS, IF NEEDED.
C. THRUST BLOCK BEARING AREA IN SQUARE FEET:

PIPE SIZE	CONDITION						
	I	II	III	IV	V	VI	VII
4"	2.0	2.5	2.0	2.0	2.0	2.0	2.0
6"	4.0	5.0	4.0	4.0	4.0	4.0	4.0
8"	6.0	8.0	6.0	6.0	6.0	6.0	6.0
10"	10.0	14.0	10.0	10.0	10.0	10.0	10.0
12"	17.0	24.0	17.0	17.0	17.0	17.0	17.0
14"	25.0	35.0	25.0	25.0	25.0	25.0	25.0
16"	35.0	50.0	35.0	35.0	35.0	35.0	35.0



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED FOR CONSTRUCTION
DATE: JUL 8, 2011

REVISION

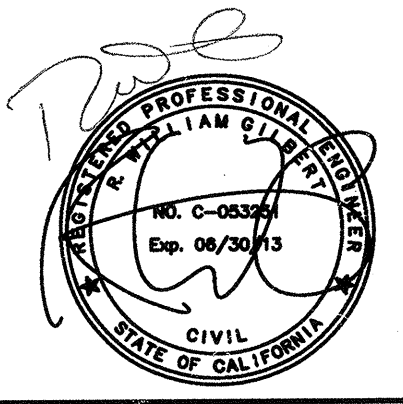
PSWC Group
PLANNING
ENGINEERING
INTERIOR DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
GLENDALE, CA 91201
TEL: 951-890-2131 FAX: 951-890-2444

KEPPEL ELEMENTARY SCHOOL
2-STORY CLASSROOM ADDITION
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENDALE RD., GLENDALE, CA 91201

PLANS PREPARED BY:
GILBERT ENGATES, INC.
1000 S. GARDEN ST.
LA JOLLA, CA 92037
PH: (760) 718-8875
WWW.GILBERTENGINEERING.COM

JOB NO. 07-01-11
DATE: 07-01-11

DETAIL SHEET



C7

SYMBOL LIST

(ALL SYMBOLS NOT NECESSARILY USED ON THESE DRAWINGS)
ALL SYMBOL DESCRIPTIONS ARE SUBJECT TO MODIFICATION
AS NOTED ON THE DRAWINGS

- TV- TELEVISION OUTLET WITH TELEVISION CONNECTOR ON FLUSH WALL MOUNTED OUTLET BOX AT +18", UNLESS NOTED OTHERWISE. PROVIDE 1" CONDUIT INTO CEILING SPACE.
- ◇- COMPUTER OUTLET WITH ONE (1) COMPUTER CONNECTOR, ON FLUSH WALL MOUNTED OUTLET BOX, +18", UNLESS NOTED OTHERWISE. *C* INDICATES EXISTING HORIZONTAL FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER SPLASH. PROVIDE 1" CONDUIT INTO CEILING SPACE.
- C- COMPUTER OUTLET WITH TWO (2) COMPUTER CONNECTORS, ON FLUSH WALL MOUNTED OUTLET BOX, +18", UNLESS NOTED OTHERWISE. *C* INDICATES EXISTING HORIZONTAL FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER SPLASH. PROVIDE 1" CONDUIT INTO CEILING SPACE.
- C- COMPUTER OUTLET WITH THREE (3) COMPUTER CONNECTORS, ON FLUSH WALL MOUNTED OUTLET BOX, +18", UNLESS NOTED OTHERWISE. *C* INDICATES EXISTING HORIZONTAL FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER SPLASH. PROVIDE 1" CONDUIT INTO CEILING SPACE.
- C- COMPUTER OUTLET WITH FOUR (4) COMPUTER CONNECTORS, ON FLUSH WALL MOUNTED OUTLET BOX, +18", UNLESS NOTED OTHERWISE. *C* INDICATES EXISTING HORIZONTAL FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER SPLASH. PROVIDE 1" CONDUIT INTO CEILING SPACE.
- F- INDICATES FLUSH WALL MOUNTED OUTLET BOX AT +18", WITH 1" CONDUIT ONLY INTO CEILING SPACE FOR FUTURE DATA CONNECTORS AND CABLING.
- ⊙- CLOSED CIRCUIT IP BASED SURVEILLANCE CAMERA WITH ONE (1) DATA CONNECTOR ON FLUSH WALL OR CEILING MOUNTED OUTLET BOX AS SHOWN ON PLANS. PROVIDE 1" CONDUIT INTO ACCESSIBLE CEILING SPACE. CAMERA TO BE PROVIDED BY DISTRICT. ARROW INDICATES DIRECTION OF CAMERA COVERAGE.
- WAP- COMPUTER OUTLET WITH TWO (2) COMPUTER CONNECTORS, ON FLUSH CEILING MOUNTED OUTLET BOX. WAP INDICATES WIRELESS ACCESS POINT EQUIPMENT TO BE PROVIDED BY DISTRICT.
- WAP- COMPUTER OUTLET WITH TWO (2) COMPUTER CONNECTORS ON FLUSH WALL MOUNTED OUTLET BOX. PROVIDE 1" CONDUIT INTO ACCESSIBLE CEILING SPACE. WAP INDICATES WIRELESS ACCESS POINT EQUIPMENT TO BE PROVIDED BY THE DISTRICT.
- ⊙P- COMPUTER OUTLET WITH ONE (1) COMPUTER CONNECTOR, ON OUTLET BOX LOCATED ABOVE CEILING, UNLESS NOTED OTHERWISE.
- ⊙P- COMPUTER OUTLET WITH TWO (2) COMPUTER CONNECTORS, ON OUTLET BOX LOCATED ABOVE CEILING, UNLESS NOTED OTHERWISE.
- F- AUDIOVISUAL MEDIA PRESENTATION SYSTEM OUTLET WITH COMPUTER VGA WITH STEREO AUDIO WALL PLATE AND COMPOSITE VIDEO WITH RCA STEREO AUDIO WALL PLATE ON COMMON FLUSH WALL MOUNTED 2-GANG OUTLET BOX AT +18" WITH TWO (2) 1" CONDUIT INTO ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE. *F* INDICATES TO PROVIDE AN EMPTY FLUSH IN WALL 2-GANG OUTLET BOX AT +18" WITH PULL-ROPE AND BLANK COVER PLATE FOR FUTURE MEDIA PRESENTATION SYSTEM WALL PLATES.
- ⊕- AUDIOVISUAL MEDIA PRESENTATION SYSTEM OUTLET WITH HDMI CONNECTOR ON FLUSH WALL MOUNTED 1-GANG OUTLET BOX AT +18" WITH 1" CONDUIT INTO ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE.
- ⊕- AUDIOVISUAL SYSTEM SYSTEM OUTLET WITH USB CONNECTOR ON FLUSH WALL MOUNTED OUTLET BOX AT +18", UNLESS NOTED OTHERWISE.
- ⊕- AUDIOVISUAL MEDIA PRESENTATION SYSTEM OUTLET WITH CONTROLLER ON FLUSH WALL MOUNTED 2-GANG OUTLET BOX AT +48" WITH TWO (2) 1" CONDUITS INTO ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE.
- ◇- AUDIOVISUAL SYSTEM SPEAKER, HOUSING AND GRILLE, DROPPED INTO SUSPENDED CEILING GRID.
- A- AUDIOVISUAL MEDIA PRESENTATION SYSTEM AUDIO AMPLIFIER MOUNTED ABOVE ACCESSIBLE CEILING.
- PK- AUDIOVISUAL SYSTEM WALL MOUNT ULTRA-SHORT THROW PROJECTOR WITH WALL ENCLOSURE AND SUPPORT ARM ASSEMBLY, PROVIDED BY DISTRICT AND INSTALLED BY CONTRACTOR. VERIFY EXACT MOUNTING HEIGHT WITH PROJECTOR MANUFACTURER PRIOR TO INSTALLATION.
- ER- WIRELESS MICROPHONE SYSTEM REMOTE INFRARED SENSOR ON FLUSH CEILING MOUNTED OUTLET BOX.
- ES- WIRELESS MICROPHONE SYSTEM CONTROLLER MOUNTED ABOVE ACCESSIBLE CEILING.
- ⇒ DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18", U.N.D.
- ⇒ DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER BACK SPLASH.
- ⇒ DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, IN FLUSH WALL MOUNTED ENCLOSURE WITH HINGED DOOR, LOCK AND KEY, +18", U.N.D.
- ⇒ DUPLEX CONVENIENCE RECEPTACLE VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, +18" A.F.F., U.N.D.
- ⇒ DOUBLE DUPLEX (FOUR-POLE) CONVENIENCE RECEPTACLE ON ONE FLUSH WALL MOUNTED OUTLET BOX +18" A.F.F., U.N.D.
- ▶- TELEPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, +18". SUBSCRIPT OR SUPERScript AT SIGNAL SYMBOLS INDICATES THE FOLLOWING:
C - OUTLET HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.
W - OUTLET ON FLUSH WALL MOUNTED OUTLET BOX, +45".
- ⇒ TELEPHONE OUTLET, ON FLUSH FLOOR MOUNTED OUTLET BOX. WITH MULTI-SERVICE FITTINGS
- C- TELEPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX +18", WITH DESK MOUNTED DEVICE WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE. *C* INDICATES HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER SPLASH.
- ▶- TELEPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX +45", WITH WALL MOUNTED DEVICE WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
- R- TELEPHONE OUTLET, *R* INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS. PROVIDE 1" C TO ACCESSIBLE CEILING SPACE.
- ⊕- VOLUME CONTROL ON FLUSH WALL MOUNTED OUTLET BOX, +45". PROVIDE 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
- ⊕- 12" ATOMIC ANALOG CLOCK WITH STAINLESS STEEL TRIM AND *AA* ALKALINE BATTERY AT +90" A.F.F., U.N.D.
- ⊕- EMERGENCY CALL-IN PUSHBUTTON ON FLUSH WALL MOUNTED OUTLET BOX AT +48" A.F.F. PROVIDE 1" C AND STUB INTO ACCESSIBLE CEILING SPACE.
- WPS- EXTERIOR SPEAKER AND WANDERPROOF GRILLE ON FLUSH IN WALL BACKBOX, +90" WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE.
- WPK- INTRUSION DETECTION SYSTEM KEY PAD, ON FLUSH WALL MOUNTED OUTLET BOX, +45", WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
- ⊕- INTRUSION DETECTION SYSTEM MOTION SENSOR, ON FLUSH WALL MOUNTED OUTLET BOX, +90", WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
- ⊕- INTRUSION DETECTION SYSTEM DOOR CONTACTS CONCEALED WITH DOOR FRAME WITH 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
- ⊕- SPEAKER, HOUSING & GRILLE, FLUSH CEILING MOUNTED.
- CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE.
--- 3/4" C - 2 #12
--- 3/4" C - 3 #12
--- 3/4" C - 4 #12
--- 3/4" C - 5 #12
--- 3/4" C - 6 #12
--- 1" C - 7 #12
--- 1" C - 8 #12
--- 1 1/4" C - 9 #12
- CONDUIT, INSTALLED CONCEALED IN OR UNDER FLOOR OR BELOW GRADE, 3/4" CONDUIT MINIMUM.
- CONDUIT, INSTALLED EXPOSED.
- HOMERUN TO PANEL "B" FOR CIRCUITS 5, 7, 9 WITH COMMON NEUTRAL.
- UNDERGROUND CONDUIT STUBOUT, STUB 5'-0" FROM BUILDING OR WALKWAY, CAP, MARK AND RECORD.
- T1- TELEPHONE SYSTEM 3/4" C WITH 1 (ONE) SET OF CONDUCTORS AS SPECIFIED.
T2 - 1" C WITH 2 (TWO) SET OF CONDUCTORS AS SPECIFIED.
T3 - 1 1/4" C WITH 3 (THREE) SET OF CONDUCTORS AS SPECIFIED.
T4 - 1 1/2" C WITH 4 (FOUR) SET OF CONDUCTORS AS SPECIFIED.
- P1- PUBLIC ADDRESS SYSTEM - 3/4" C, WITH WITH (1) SET OF CONDUCTORS AS SPECIFIED.
P2 - 3/4" C, WITH TWO (2) SETS OF CONDUCTORS AS SPECIFIED.
P3 - 1" C, WITH THREE (3) SETS OF CONDUCTORS AS SPECIFIED.
P4 - 1" C, WITH FOUR (4) SETS OF CONDUCTORS AS SPECIFIED.
P5 - 1 1/4" C, WITH FIVE (5) SETS OF CONDUCTORS AS SPECIFIED.
- C- CLOCK SYSTEM - 3/4" C, WITH CONDUCTORS AS SPECIFIED.
- TV- TELEVISION SYSTEM - 1" C WITH CONDUCTORS AS SPECIFIED.
- ID- INTRUSION DETECTION SYSTEM - 3/4" C, WITH CONDUCTORS AS SPECIFIED.
- DI- COMPUTER/DATA PROCESSING SYSTEM - 1" C, WITH CONDUCTORS AS SPECIFIED.
D2 - 1" C WITH CONDUCTORS AS SPECIFIED.
D3 - 1" C WITH CONDUCTORS AS SPECIFIED.
D4 - 1 1/4" C WITH CONDUCTORS AS SPECIFIED.
D5 - 1 1/4" C WITH CONDUCTORS AS SPECIFIED.
- SURFACE MULTI-OUTLET RACEWAY WITH PRE-WIRED RECEPTABLES IN RACEWAY 24" IN CENTER, ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.
- ⊕- JUNCTION BOX, FLUSH WALL MOUNTED, +18".
- ⊕- JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING.
- ⊕- INDICATES CONNECTION TO EQUIPMENT AS REQUIRED, TYPICAL.
- ⊕- PANELBOARD, ADJACENT LINE INDICATES PANEL FRONT. ADJACENT BALLOON INDICATES PANEL DESIGNATION "A", SEE DRAWING E-1 FOR PANEL SCHEDULE.
- ⊕- TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.
- ⊕- FLOOR STANDING SWITCHGEAR ADJACENT BALLOON INDICATES EQUIPMENT DESIGNATION "DBM", SEE DRAWING E-1 FOR SINGLE LINE DIAGRAM AND/OR SCHEDULE.
- ⊕- CIRCUIT BREAKER STATIONARY (MCM-DRAWOUT), SECONDARY VOLTAGE.
- ⊕- CIRCUIT BREAKER WITH ZERO SEQUENCE GROUND FAULT RELAY SYSTEM.
- ⊕- TRANSFORMER; KVA, LINE AND LOAD VOLTAGE RATINGS AS INDICATED.
- ⊕- FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED. MOUNT ON WALL +45", OR ON EQUIPMENT +36", PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.

SCHOOL EQUIPMENT ANCHORAGE NOTES

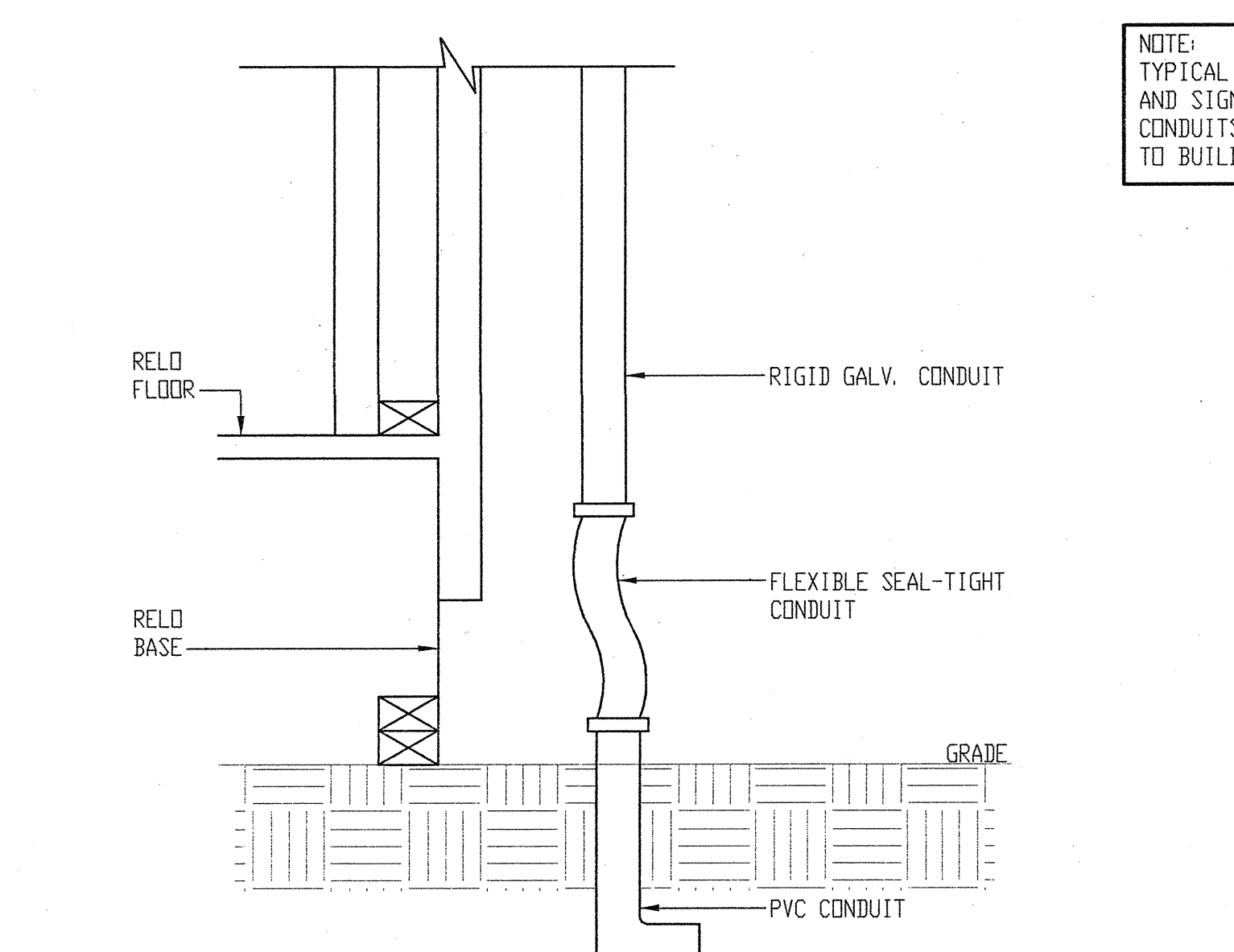
EQUIPMENT ANCHORAGE NOTE:
ALL ELECTRICAL EQUIPMENT SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN THE 2010 CBC, SECTION 1615.1.13 AND ASCE 7-05 SECTIONS 13.3.13.4 & 13.6. THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST THE FORCES PRESCRIBED ABOVE, BUT NEED NOT BE DETAILED ON THE PLANS.
A. EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.
B. FURNITURE REQUIRED TO BE ATTACHED IN ACCORDANCE WITH PART 2, TITLE 24, C.C.R.
C. TEMPORARY OR MOVABLE EQUIPMENT.
D. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.
E. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL/ELECTRICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:
ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-05 SECTION 13.3 AS DEFINED IN ASCE 7-05 SECTION 13.6.9, 13.6.7, AND 13.6.5.5 ITEM 6, RESPECTIVELY.
THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE DSHPD PRE-APPROVALS WITH AN DPA 3, SUCH AS MASON INDUSTRIES (DPA 349) OR ISAT (DPA 485) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.
COPIES OF THE MANUAL SHALL BE ON THE JOB SITE PRIOR TO STARTING HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.
THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

GENERAL NOTES

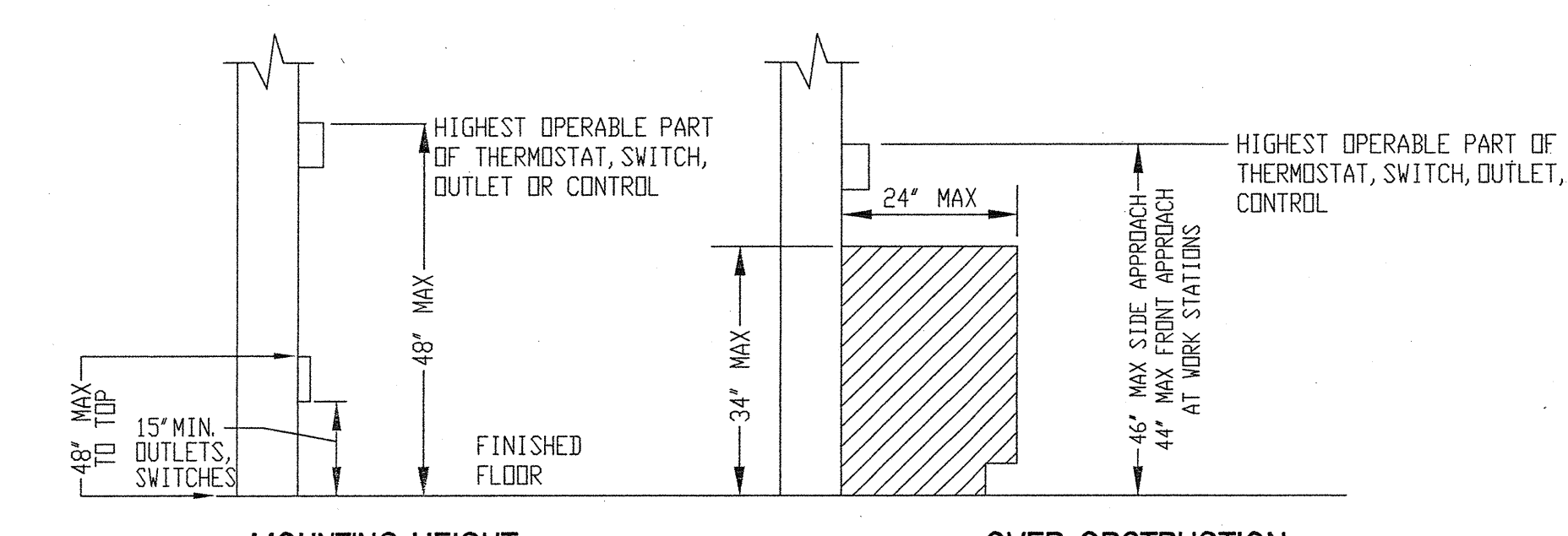
- COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF OTHER TRADES AND WITH OTHER WORK ON THE SITE.
- ALL TRENCHES OUTSIDE OF THE BARRICADE LIMITS SHALL BE BACK FILLED AND PAVED NOT LATER THAN 72 HOURS AFTER BEING OPENED. DURING THE TIME THE TRENCHES ARE OPEN IN AREAS, THE CONTRACTOR SHALL PROVIDE SIGN PLATES.
- ALL UNDERGROUND CONDUITS SHALL BE ENTIRELY ENCASED IN CONCRETE 3" THICK ON ALL SIDES WITH MULTIPLE CONDUITS SPACED NOT LESS THAN 1 1/2" APART. MINIMUM DEPTH OF NOT LESS THAN 24" BELOW FINISHED GRADE TO THE TOP OF CONCRETE ENVELOPE.
- EXAMINE ALL CONSTRUCTION DOCUMENTS, DIVISION 16 SPECIFICATION AND OTHER TRADES DRAWINGS/SPECIFICATION FOR ANY ELECTRICAL WORK WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS.
- ALL ELECTRICAL WORK SHALL COMPLY WITH NEC (2007) EDITION AND THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE AND THE CURRENT CODE AND REGULATION REQUIREMENTS OF THE CITY.
- THE CONTRACTOR SHALL AT ALL TIMES, KEEP THE PREMISES CLEAN AND FREE FROM AN ACCUMULATION OF WASTE MATERIAL AND RUBBISH AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND LEAVE THE WORK AREA IN A BROOM CLEAN CONDITION. SUPPLY TRASH BINS.
- ALL OUTDOOR ELECTRICAL EQUIPMENTS AND DEVICES SHALL BE WEATHERPROOF.
- ALL FEEDERS INSTALLED UNDERGROUND OR EXPOSED OUTDOORS SHALL CARRY A GROUND WIRE SIZE AS PER NEC AND/OR AS SHOWN ON THE DRAWINGS.
- IT IS THE INTENT OF THESE DRAWINGS TO PROVIDE INSTRUCTION FOR A COMPLETE ELECTRICAL JOB. ANY ERRORS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDDING THE JOB.
- ALL ELECTRICAL COMPONENT AND DEVICES SHALL BE U.L. LISTED.
- PROVIDE PULL BOX TO ELIMINATE BENDS IN EXCESS OF TWO 90° BENDS IN THE WIRE MOLD AND CONDUIT RACEWAY SYSTEMS FOR COMPUTER NETWORKING SYSTEM CONDUCTORS.
- ALL WORK SHALL BE SCHEDULED AT SUCH TIMES AND SUCH MANNER TO MINIMIZE INTERFERENCE AND INCONVENIENCE TO OTHER SECTIONS OF THE FACILITY.

CONDUIT CROSSING EXPANSION/SEISMIC JOINT DETAIL



TYPICAL CONDUIT STUB-UP DETAIL

MOUNTING HEIGHT OVER OBSTRUCTION



CBC 1117 B.6.3 CBC 1118 B.5 & 1118 B.6

FIXTURE SCHEDULE

TYPE	DESCRIPTION	TOTAL WATTS	LAMP QUAN	LAMP WATTS	LAMP TYPE	MOUNTING
20	WALKWAY POLE MOUNTED LED LIGHT FIXTURE WITH ONE PIECE ALUMINUM HOUSING, MOUNTED DIRECTLY TO THE POLE. GARCCO LED GALLING DESIGN PROVIDES INTEGRAL DIE CAST ALUMINUM THERMAL RADIATION FINNS WITH LATERAL AIRWAYS TO PROVIDE THE EXCELLENT THERMAL MANAGEMENT. THE LED ARRAYS ARE SET TO PROVIDE REQUIRED IES DISTRIBUTION. THE LUMINAIRE IS EQUIPPED WITH LED DRIVER AND LISTED FOR VET LOCATION APPLICATION.	125	1	100	PSNH	POLE MOUNTED

GARCCO #GL18-1-4-130LA-CW-208-BRP WITH GARCCO ALUMINUM POLE#R44-CB-12-02-BRA NO APPROVED EQUAL IS KNOWN.

PSWC Group
ARCHITECTURE
PLANNING & DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
SAN BERNARDINO, CA 92408
TEL 909.870.2223 FAX 909.870.2444

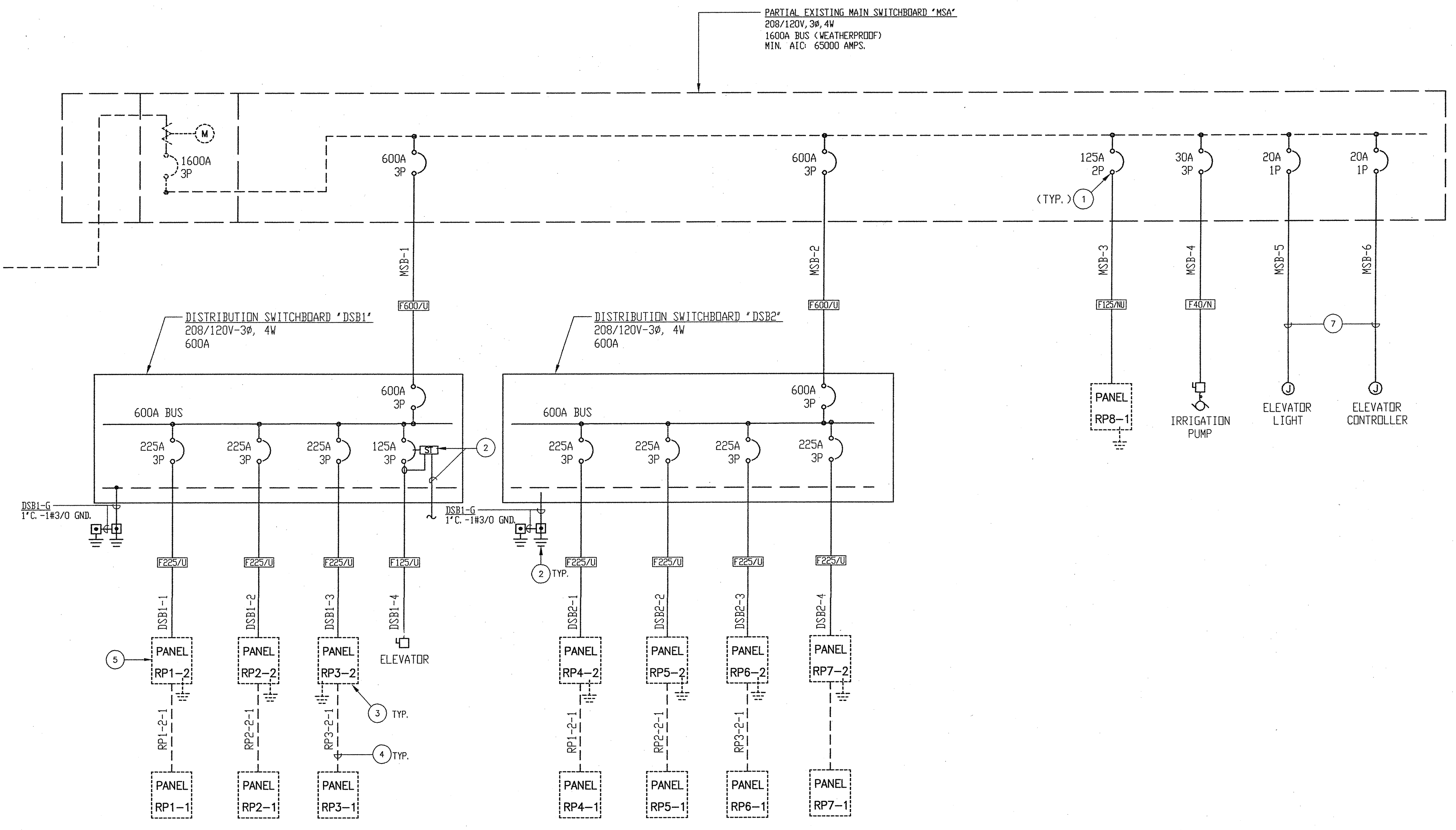
MARK KEPPEL ELEMENTARY SCHOOL MODERNIZATION
GLENDALE UNIFIED SCHOOL DISTRICT
750 GLENWOOD ROAD, GLENDALE, CA 91201

SYMBOL LIST AND GENERAL NOTES
SCALE: NONE

JOB NO. P073
DRAWN BY J.N.
DATE 02-10-11

E-0.1

- PLAN NOTES:
- 1 PROVIDE NEW CIRCUIT BREAKER IN THE SPACE LOCATION OF EXISTING SWITCHBOARD WITH THE AIC TO MATCH WITH THE EXISTING CIRCUIT BREAKERS.
 - 2 PROVIDE 12" x 12" x 12" D. BOTTOMLESS CONCRETE PULLBOX WITH PEA GRAVEL BASE AND CHEMICAL ASSEMBLY GROUND ROD. MOUNT PULLBOX FLUSH ON GRADE AND ENGRAVE COVER "GROUND". QUANTITY AS REQUIRED TO ACHIEVE 5 OHMS TO GROUND MAXIMUM.
 - 3 MODULAR BUILDING PANEL INSTALLED AS PART OF THE BUILDING.
 - 4 FEEDER FROM SECOND FLOOR TO FIRST FLOOR PANEL INSTALLED AND CONNECTED AS PART OF MODULAR BUILDING.
 - 5 CONNECT TO BUILDING PANEL SEE SHEET ES-1 FOR CONTINUATION.
 - 6 SHUNT TRIP CIRCUIT BREAKER WITH 3/4"C-2#12, #12 GROUND TO FIRE ALARM CONTROL MODULE IN ELEVATOR MACHINE ROOM. SEE FIRE ALARM PLANS FOR MORE INFORMATION.
 - 7 PROVIDE 3/4"C-2#10, #10 GRD.

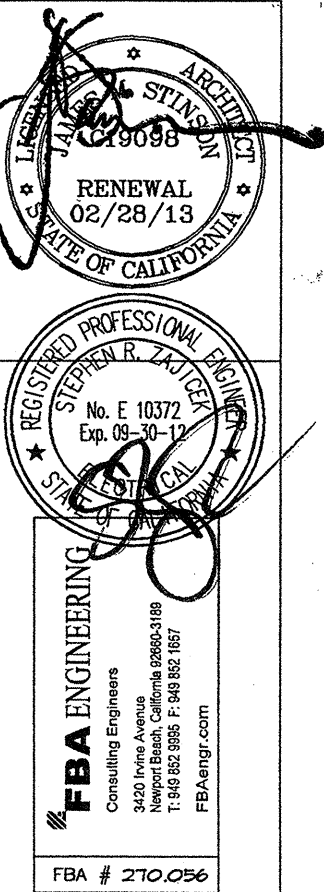
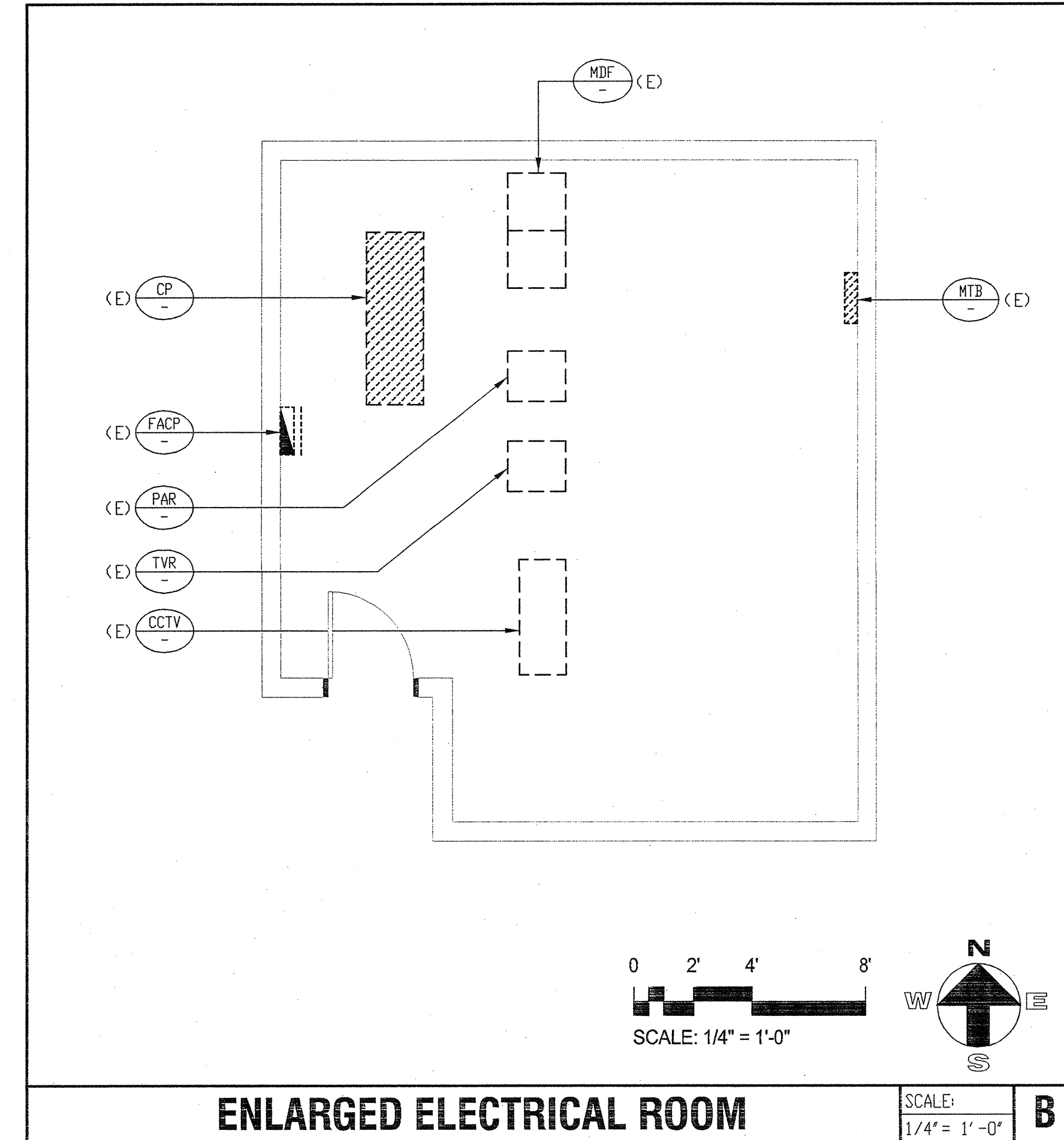


FEEDER SCHEDULE					
COPPER CONDUCTORS THW 600V (AWG)					
FEEDER TYPE	CONDUIT SIZE AND QUANTITY	CONDUCTORS IN EACH CONDUIT		EQUIPMENT GROUND WIRE SIZE	
		QUAN.	SIZE		
F30	1 3/4"	4	10	10	
F40	1 1"	4	8	10	
F50	1 1 1/4"	4	6	10	
F60	1 1 1/2"	4	4	10	
F70	1 1 1/2"	4	4	8	
F80	1 2"	4	2	8	
F90	1 2"	4	2	8	
F100	1 2"	4	1	8	
F110	1 2"	4	1	6	
F125	1 2"	4	1/0	6	
F130	1 2"	4	1/0	6	
F175	1 2"	4	2/0	6	
F200	1 2 1/2"	4	3/0	6	
F225	1 2"	4	4/0	4	
F250	1 2"	4	250MCM	4	
F275	1 4"	4	350MCM	4	
F300	1 4"	4	350MCM	4	
F350	1 4"	4	500MCM	2	
F400	2 2 1/2"	4	3/0	2	
F500	2 3"	4	250MCM	2	
F600	2 4"	4	350MCM	1	
F700	2 4"	4	500MCM	1/0	
F800	3 4"	4	500MCM	1/0	
F900	3 4"	4	500MCM	2/0	
F1000	3 4"	4	500MCM	2/0	
F1200	4 4"	4	500MCM	3/0	
F140N	1 1"	3	8	10	
F50N	1 1"	3	6	10	
F60N	1 1 1/4"	3	4	8	
F70N	1 1 1/4"	3	4	8	
F80N	1 1 1/4"	3	2	8	
F90N	1 1 1/4"	3	2	8	
F100N	1 1 1/2"	3	1	8	
F110N	1 1 1/2"	3	1	6	
F125N	1 1 1/2"	3	1	6	
F130N	1 2"	3	1/0	6	
F175N	1 2"	3	2/0	6	
F200N	1 2"	3	3/0	6	
F225N	1 2 1/2"	3	4/0	4	
F250N	1 2 1/2"	3	250MCM	4	
F275N	1 4"	3	350MCM	4	
F300N	1 4"	3	350MCM	4	
F350N	1 4"	3	500MCM	2	
F400N	2 2 1/2"	3	3/0	2	
F500N	2 2 1/2"	3	250MCM	2	
F600N	2 2 1/2"	3	350MCM	1	
F700N	2 4"	3	500MCM	1/0	
F800N	3 3"	3	350MCM	1/0	
F125AU	1 2"	3	1/0	6	
F225AU	1 2"	4	4/0	4	
F300AU	1 4"	4	350MCM	4	
F350AU	1 4"	4	500MCM	2	
F400AU	2 2 1/2"	3	3/0	2	
F500AU	2 2 1/2"	3	250MCM	2	
F600AU	2 2"	3	350MCM	1	
F700AU	2 4"	3	500MCM	1/0	
F800AU	3 3"	3	350MCM	1/0	
F125AU	1 2"	3	1/0	6	
F225AU	1 2"	4	4/0	4	
F300AU	1 4"	4	350MCM	4	
F350AU	1 4"	4	500MCM	2	
F400AU	2 2 1/2"	3	3/0	2	
F500AU	2 2 1/2"	3	250MCM	2	
F600AU	2 2"	3	350MCM	1	
F700AU	2 4"	3	500MCM	1/0	
F800AU	3 3"	3	350MCM	1/0	
F1200AU	4 4"	4	500MCM	4/0	
F1300AU	5 4"	4	500MCM	250MCM	
F600N	1 1 1/2"	5	4	10	
F1000N	1 2"	5	1	4	
F1250N	1 2 1/2"	5	1/0	6	
F1500N	1 2 1/2"	5	1/0	4	
F2250N	1 2"	5	4/0	4	
F3000N	1 4"	5	350MCM	2	
F4000N	2 3"	5	3/0	2	
F6000N	2 4"	5	300MCM	2	
F8000N	3 5"	5	250MCM	1/0	
F12000N	4 4"	5	350MCM	3/0	
F16000N	5 5"	5	500MCM	4/0	

LOAD DESCRIPTION	TOTAL POWER VA	CONNECTED CURRENT (AMP)
MAX DEMAND LOAD ON EXISTING SWITCHBOARD IMSB1	280000	722
ADDED 25% MORE PER NEC	65000	181
LESS THE LOAD OF 12 RELOCATABLE EACH 15 KVA	-180000	-500
NEW LOAD OF FOUR TWO STORY CLASSROOM PER DSB2 LOAD CAL	142788	397
NEW LOAD OF THREE TWO STORY CLASSROOM PER DSB2 LOAD CAL	130626	363
NEW LOAD FOR MUSIC BUILDING RELO	9612	27
TOTAL		1162

LOAD DESCRIPTION	TOTAL POWER VA	CONNECTED CURRENT (AMP)
THREE (3) TWO STORY MODULAR BUILDING POWER EACH AT 33842	101526	283
ELEVATOR AT 30 HP	28800	88
TOTAL	130326	363

LOAD DESCRIPTION	TOTAL POWER VA	CONNECTED CURRENT (AMP)
FOUR (4) TWO STORY MODULAR BUILDING POWER EACH AT 33842	135768	377
RESTROOM BUILDING	6000	17
TOTAL	141768	394



REVISION

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MARK KEPPEL ELEMENTARY SCHOOL
MODERNIZATION
GLENDALE UNIFIED SCHOOL DISTRICT
750 GLENWOOD ROAD, GLENDALE, CA 91201

SINGLE LINE DIAGRAM
AND DETAILS
SCALE: NONE

JOB NO. P973
DRAWN BY J.N.
DATE 02-10-11
E-02

FIRE ALARM EQUIPMENT SCHEDULE

ITEM DESCRIPTION	SYMBOL	MOUNTING	CATALOG NUMBER	CSFM LISTING NUMBER	NOTES
NEW FIRE ALARM CONTROL PANEL "NFACP"	☐	+48"	NOTIFIER NFS-640	7165-0028: 243	
EXISTING FIRE ALARM CONTROL PANEL "EFACP"	☐	+48"	NOTIFIER NFS-640	7165-0028: 243	DSA-A# 03-105-345
NEW FIRE ALARM ANNUNCIATOR PANEL "FANN"	☐	+48"	NOTIFIER LCD-80	7120-0028: 156	
FIRE ALARM REMOTE POWER SUPPLY	☐	+48"	NOTIFIER FCPS-2456	7315-0028: 225	
UNIVERSAL DIGITAL ALARM COMMUNICATOR TRANSMITTER	☐		NOTIFIER UDACT	7300-0028: 174	
SMOKE DETECTOR ON FLUSH CEILING MOUNTED OUTLET BOX	☐	CEILING	NOTIFIER FSP-851	7272-0028: 206	
AUTOMATIC HEAT DETECTOR	⊕	CEILING	NOTIFIER FST-851	7270-0028: 196	
AUTOMATIC HEAT DETECTOR	⊕	CEILING	THERMOTEC 302-AN-135	7270-0021: 001	
MONITOR MODULE	Ⓜ		NM-100-10(A)	7300-0028: 256	
CONTROL MODULE	Ⓜ		FCM-1(A)	7300-0028: 256	
ELECTRONIC HORN ON FLUSH WALL MOUNTED OUTLET BOX	☐	+80"	COOPER NOTIFICATION AH SERIES	7125-0785: 131	
VISUAL DEVICE ON FLUSH WALL MOUNTED OUTLET BOX	☐	+80"	WHEELLOCK EXCEDER-SERIES	7125-0785: 168	15 CANDELA MINIMUM PER U.L. STANDARD 1971 0.060A
VISUAL DEVICE ON FLUSH WALL MOUNTED OUTLET BOX	☐	+80"	WHEELLOCK EXCEDER-SERIES	7125-0785: 168	75 CANDELA MINIMUM PER U.L. STANDARD 1971 0.165A
VISUAL DEVICE ON FLUSH WALL MOUNTED OUTLET BOX	☐	+80"	WHEELLOCK EXCEDER-SERIES	7125-0785: 168	110 CANDELA MINIMUM PER U.L. STANDARD 1971 0.220A
ELECTRONIC HORN AND (CODED TEMPORAL 3) VISUAL DEVICE ON FLUSH WALL MOUNTED OUTLET BOX	☐	+80"	COOPER WHEELLOCK EXCEDER-SERIES	7125-0785: 168	15 CANDELA MINIMUM PER U.L. STANDARD 1971 0.074A
ELECTRONIC HORN AND (CODED TEMPORAL 3) VISUAL DEVICE ON FLUSH WALL MOUNTED OUTLET BOX	☐	+80"	COOPER WHEELLOCK EXCEDER-SERIES	7125-0785: 168	75 CANDELA MINIMUM PER U.L. STANDARD 1971 0.184A
ELECTRONIC HORN AND (CODED TEMPORAL 3) VISUAL DEVICE ON FLUSH WALL MOUNTED OUTLET BOX	☐	+80"	COOPER WHEELLOCK EXCEDER-SERIES	7125-0785: 168	110 CANDELA MINIMUM PER U.L. STANDARD 1971 0.244A
WEATHERPROOF FIRE ALARM SPRINKLER BELL	☐	+90"	WHEELLOCK 43T-G10-24R	7135-0785: 108	
WATER FLOW SWITCH	☐	PIPE	SYSTEM SENSOR WFD SERIES	7770-1653: 114	
TAMPER SWITCH	☐	PIPE	SYSTEM SENSOR P1B2	7770-1653: 118	

FIRE ALARM GENERAL NOTES

FIRE ALARM COMPLETE PLAN SUBMITTAL

1.0 PROJECT INFORMATION

A. OCCUPANCY GROUP
REFER TO ARCHITECTURAL DRAWINGS.

B. CONSTRUCTION TYPE
REFER TO ARCHITECTURAL DRAWINGS.

C. PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 7, TITLE 24. REFER TO THE ARCHITECTURAL PLANS FOR FIRE-RATE CORRIDORS, OCCUPANCY SEPARATIONS AND AREA SEPARATION WALL(S).

D. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY.

E. PROVIDE A STATEMENT OF COMPLIANCE WHEN REQUESTING INSPECTION CFC 901.2.1

F. THE FIRE ALARM SYSTEM DESIGN FOR THIS PROJECT IS ADDRESSABLE AND FULLY AUTOMATIC.

2.0 APPLICABLE CODES AND STANDARDS

A. APPLICABLE CODES AS OF JANUARY 1, 2010

2010 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2010 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2010 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2004 CALIFORNIA AMENDMENTS)
2010 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2008 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2010 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2004 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2010 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2004 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS)
2010 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R. (2004 UNIFORM FIRE CODE AND 2007 CALIFORNIA AMENDMENTS)
2010 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
TITLE 19, COR. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
2010 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2010 SAFETY CODE FOR ELEVATORS AND ESCALATORS PART 7, TITLE 24 C.C.R.

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2010 EDITION
NFPA 14 STANDPIPE SYSTEMS 2010 EDITION
NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2009 EDITION
NFPA 17A WET CHEMICAL SYSTEMS 2009 EDITION
NFPA 20 STATIONARY PUMPS 2010 EDITION
NFPA 24 PRIVATE FIRE ALARMS (INCLUDED IN 2002 NFPA 13) 2010 EDITION
NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE SEE U.L. STANDARD 1971 FOR "VISUAL DEVICES") 2010 EDITION
NFPA 80 FIRE DOOR AND OTHER OPENING PROTECTIVES 2007 EDITION
NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2006 EDITION
NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2008 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS-2010 CBC (SFO CHAPTER 35)

3.0 UPON RECEIPT OF THE CERTIFICATE OF COMPLIANCE, THE INSTALLER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT-TO-POINT AS BUILD DRAWINGS AND EQUIPMENT SPECIFICATIONS.

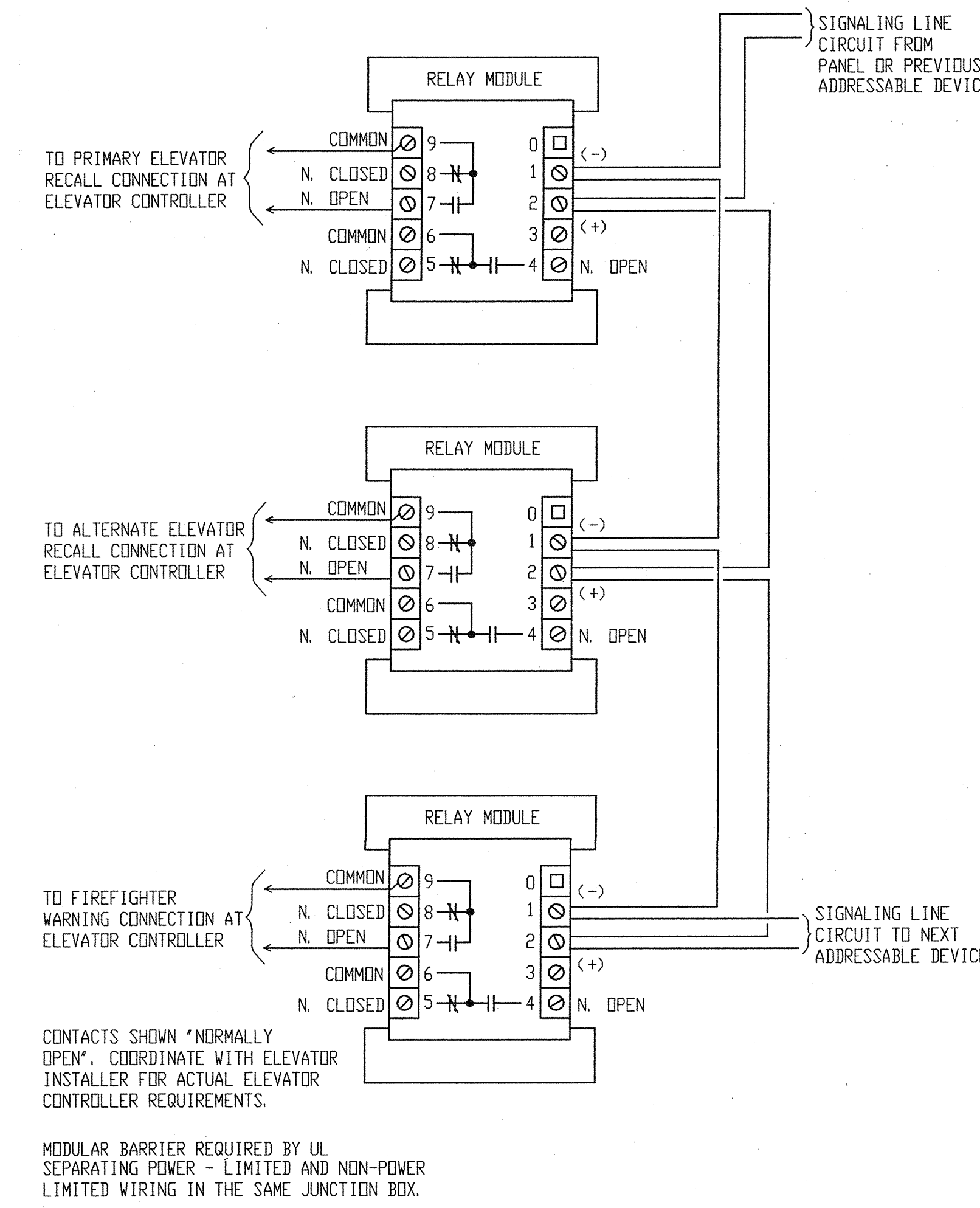
4.0 NFPA 72 CHAPTER 10.14 INSPECTION TESTING AND MAINTENANCE (2007) COMPLETE THE INSPECTION TESTING FORM IN ITS ENTIRETY SUBMIT A COPY TO THE DISTRICT, ARCHITECT AND DSA DIVISION OF FIRE AND LIFE SAFETY.

5.0 OCCUPANCY PROHIBITED TO ANY PORTION OF BUILDING UNTIL FIRE ALARM SYSTEM HAS BEEN TESTED AND APPROVED. CBC 901.5, CFC 901.5.1

RECORD DRAWINGS OF ALL INSPECTION TEST SHALL BE MAINTAINED ON PREMISES MINIMUM THREE YEARS. CFC 901.6.2 (5 YEARS PER TITLE 14)

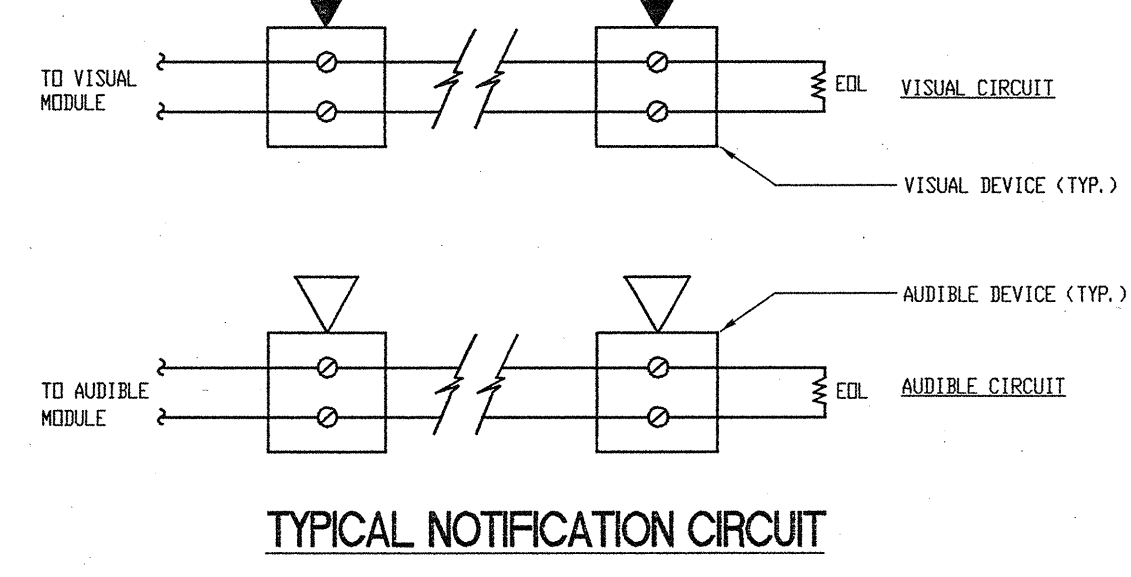
SMOKE DETECTORS TO UTILIZE CALIBRATED MANUFACTURE SENSITIVITY TEST INSTRUMENT. CFC 907.9.4

6.0 AUDIBILITY AND VISIBILITY OF NOTIFICATION APPLIANCES TO BE FIELD VERIFIED. RELOCATION OF APPLIANCES AND/OR ADDITIONAL APPLIANCES MAY BE REQUIRED BASED ON FIELD TESTING. SOUND METER READINGS TO BE RECORDED ON AS-BUILT DRAWINGS.



ELEVATOR RECALL CONTROL DETAIL

TYPICAL WIRING DIAGRAM

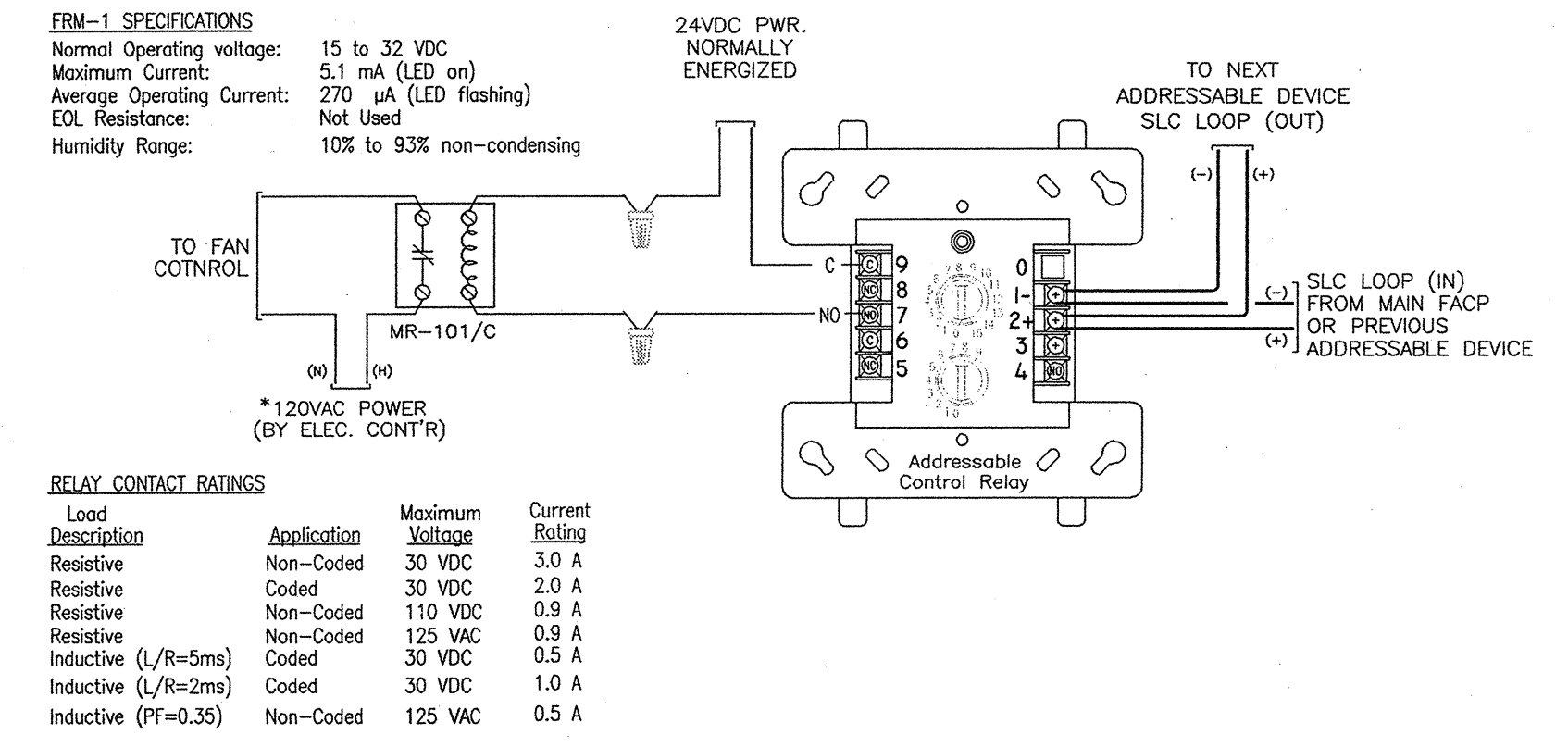


FIRE ALARM NOTE:
FIRE ALARM SUBMITTAL IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH CFC-901.1 AND 907.1.1.

FIRE ALARM SEQUENCE OF OPERATION

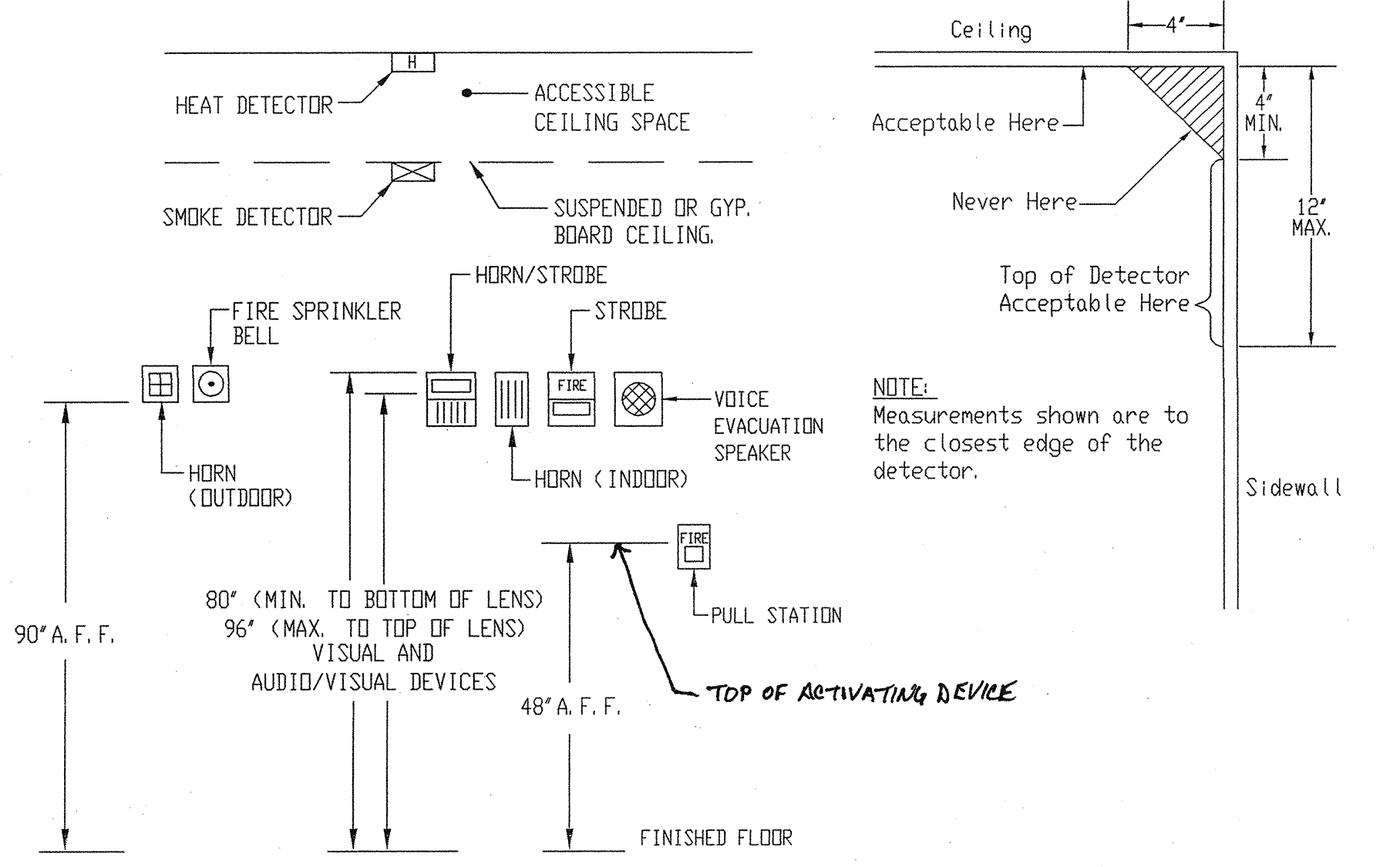
DEVICE/ACTION	AREA SMOKE DETECTORS	AREA HEAT DETECTORS	SPRINKLER WATER FLOW	SPRINKLER BELL TAMPER SWITCH	POWER FAILURE	NOTES
ANNUNCIATE ALARM AT FACP AND REMOTE ANNUNCIATOR	X	X	X			
ANNUNCIATE SUPERVISORY CONDITION AT FACP AND REMOTE ANNUNCIATOR				X		
ANNUNCIATE TROUBLE AT FACP AND REMOTE ANNUNCIATOR	X	X	X	X	X	[1]
ACTIVATE AUDIBLE/VISUAL SIGNAL THROUGHOUT SCHOOL (ALARM)	X	X	X			
CONTACT CENTRAL STATION (UDACT)	X	X	X	X	X	
MUTE LOCAL PUBLIC ADDRESS SYSTEM	X	X	X			
DISABLE PASSING SIGNALS	X	X	X			
SHUTDOWN AIR HANDLING EQUIPMENT	X	X	X			[2]
SOUND SPRINKLER BELL			X			

NOTES:
[1] INDICATE TROUBLE ON WIRING FAULT OR DEVICE AS REQUIRED.
[2] SHUTDOWN ONLY AIR HANDLER EQUIPMENT IN THE BUILDING OR AREA WHERE ALARM CONDITION OCCURS.



ADDRESSABLE CONTROL RELAY MODULE-FAN SHUTDOWN WIRING

PULL STATION/HORN/STROBE AND HEAT/SMOKE ELEVATION



FBA ENGINEERING
 1700 GLENWOOD ROAD, GLENDALE, CA 91201
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 FAX: 626-970-2266

PSWC Group
 ARCHITECTURE
 1887 BUSINESS CENTER DRIVE SUITE 3
 SAN BERNARDINO, CA 92408
 TEL: 909-870-2133 FAX: 909-870-2144

**MARK KEPPEL ELEMENTARY SCHOOL
 MODERNIZATION**
 GLENDALE UNIFIED SCHOOL DISTRICT
 750 GLENWOOD ROAD, GLENDALE, CA 91201

FIRE ALARM GENERAL NOTES, SYMBOL AND DETAILS
 SCALE: NONE

JOB NO. P073
 DRAWN BY J.N.
 DATE 02-10-11
E-0.3

VOLTAGE DROP CALCULATION									
BLDG.	CIRCUIT NO.	SERVICE TO	DISTANCE FEET	CONDUCTOR SIZE	DEVICE TYPE	DEVICES NO.	LOAD AMP	TOTAL AMP.	VOLY. DROP PERCENT
BLDG. 1	N1	VISUAL AND AUDIBLE DEVICES	300	12	WPFCORN	1	0.050	1.431	5.92
					15cd	2	0.135		
					75cd	0	0.182		
					110cd	0	0.082		
					15cdHORN	4	0.144		
BLDG. 1	N2	VISUAL AND AUDIBLE DEVICES	300	12	WPFCORN	1	0.050	0.649	3.51
					15cd	0	0.135		
					75cd	0	0.182		
					110cd	0	0.082		
					15cdHORN	5	0.144		
BLDG. 2	N3	VISUAL AND AUDIBLE DEVICES	250	12	WPFCORN	1	0.050	1.348	4.64
					15cd	0	0.135		
					75cd	0	0.182		
					110cd	0	0.082		
					15cdHORN	6	0.144		
BLDG. 3	N4	VISUAL AND AUDIBLE DEVICES	350	12	WPFCORN	1	0.050	0.475	2.29
					15cd	0	0.135		
					75cd	0	0.182		
					110cd	0	0.082		
					15cdHORN	9	0.144		

FORMULA $LENGTH \times AMPS \times 21.6 \times 100 = S$
 $VOLTAGE \times CIRCULAR MILS$
 CIRCUIT # N1 $300 \times 1.431 \times 21.6 \times 100 = 5.925$
 24×6530

FIRE ALARM BATTERY CALCULATIONS

CONTROL PANEL "NFACP"

QTY	DEVICE	STAND BY CURRENT	ALARM CURRENT
1	CONTROLS	0.290	0.530
0	ANNUNCIATOR	0.000	0.000
45	SMOKE DETECTOR	0.014	0.293
4	HEAT DETECTOR	0.001	0.026
0	PULL STATION	0.000	0.000
0	BEAM DETECTOR	0.000	0.000
10	MONITOR MODULE	0.003	0.004
7	CONTROL MODULE	0.002	0.039
5	15cd STROBES	0.000	0.295
2	75cd STROBES	0.000	0.270
0	110cd STROBES	0.000	0.000
0	15cd HORN/STROBES	0.000	0.000
16	75cd HORN/STROBES	0.000	2.368
0	110cd HORN/STROBES	0.000	0.000
2	SPRINKLER BELL	0.000	0.820
7	W.P. HORN	0.000	0.350

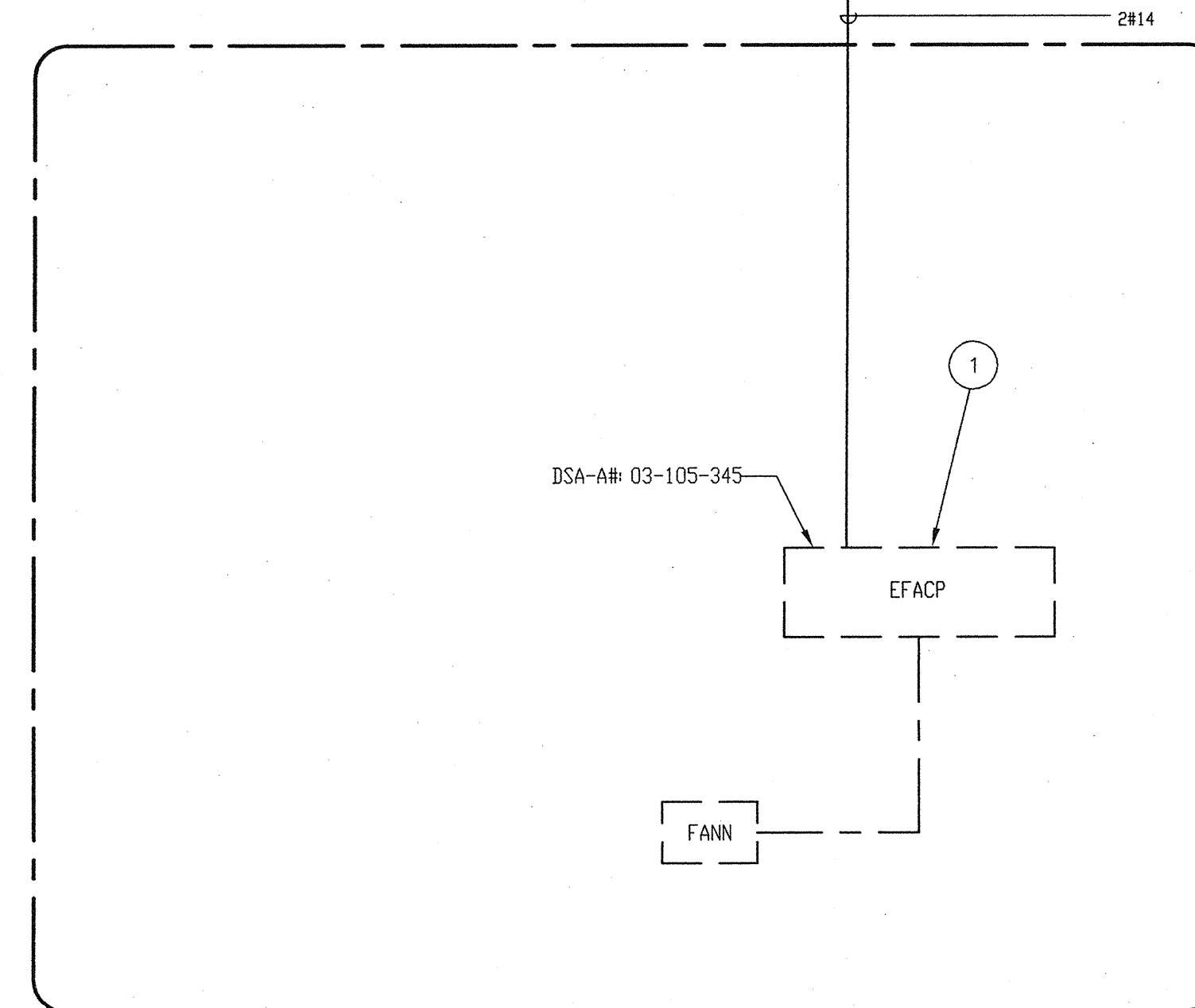
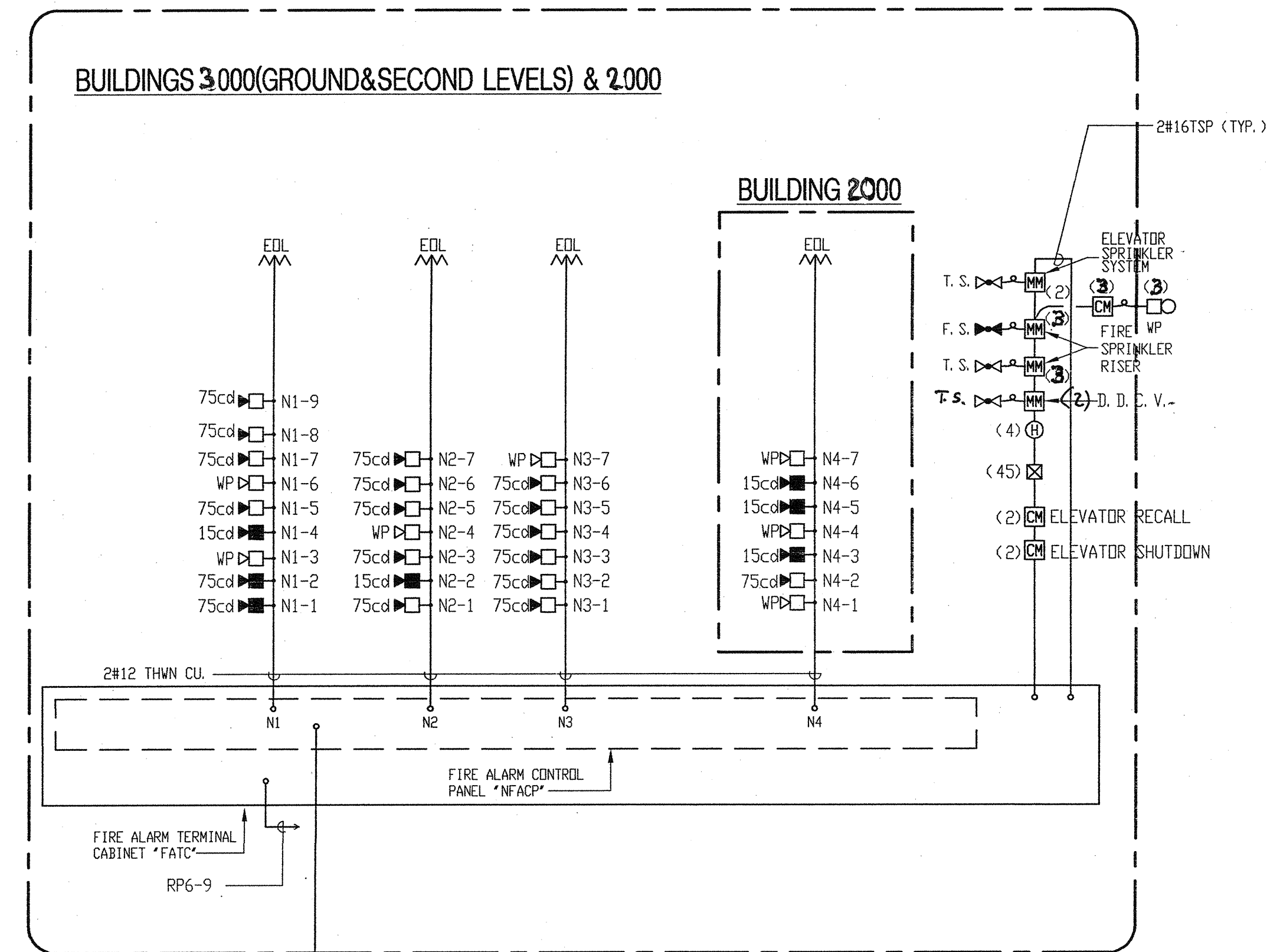
TOTAL CURRENTS 0.310 4.995

TOTAL STAND-BY CURRENT X 60 HOURS = $0.310 \times 60 = 18.575$ A-HR
 TOTAL ALARM CURRENT X 10 MINUTES = $4.99 \times 0.167 = 0.834$ A-HR

TOTAL MINIMUM AMP HOURS OF BATTERIES = 19.409 A-HR

NOTES:

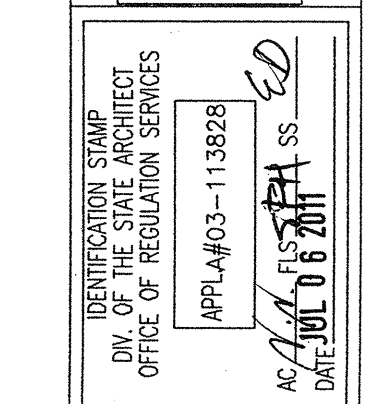
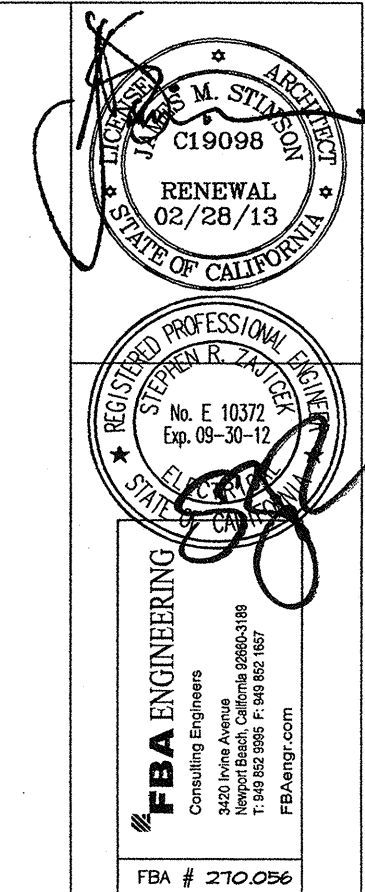
- BATTERY CALCULATION SHALL BE BASED ON 60 HOURS OF STAND BY AND 10 MINUTES OF ALARM CURRENT
- PROVIDE MINIMUM OF 45.296 A-HOURS STANDBY BATTERY POWER.
- PROVIDE ADDITIONAL FIRE ALARM BATTERY TERMINAL CABINET.



NOTE:
 ① ADD AN "NCH-W" MODULE TO EXISTING PANEL.

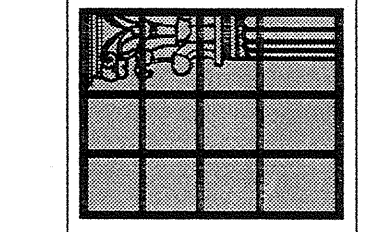
Department of
General Services
 BUILDING GREEN BUYING GREEN WORKING GREEN

Project Closeout Status
 Office ID:03 Application #:105345 File #:19-41
 Project Name:Keppel Elementary School
 Project Scope:Construction of Elevator Tower & Ramps; Alteration to Classroom Bldg
 Field Engineer: Clotnea, Michael
 Engineer Recomm. Date: 7/6/2006 Void/Canceled Date:
 90 Day Letter Date: 7/6/2006 90 Day Exp. Date: 10/4/2006
 90 Day Ext. Date: 4/5/2007 Ext. 90 Day Exp. Date: 7/4/2007
 Last Closed Date: 7/21/2010 Last Closed Letter Type: #1-Certification & Close of File



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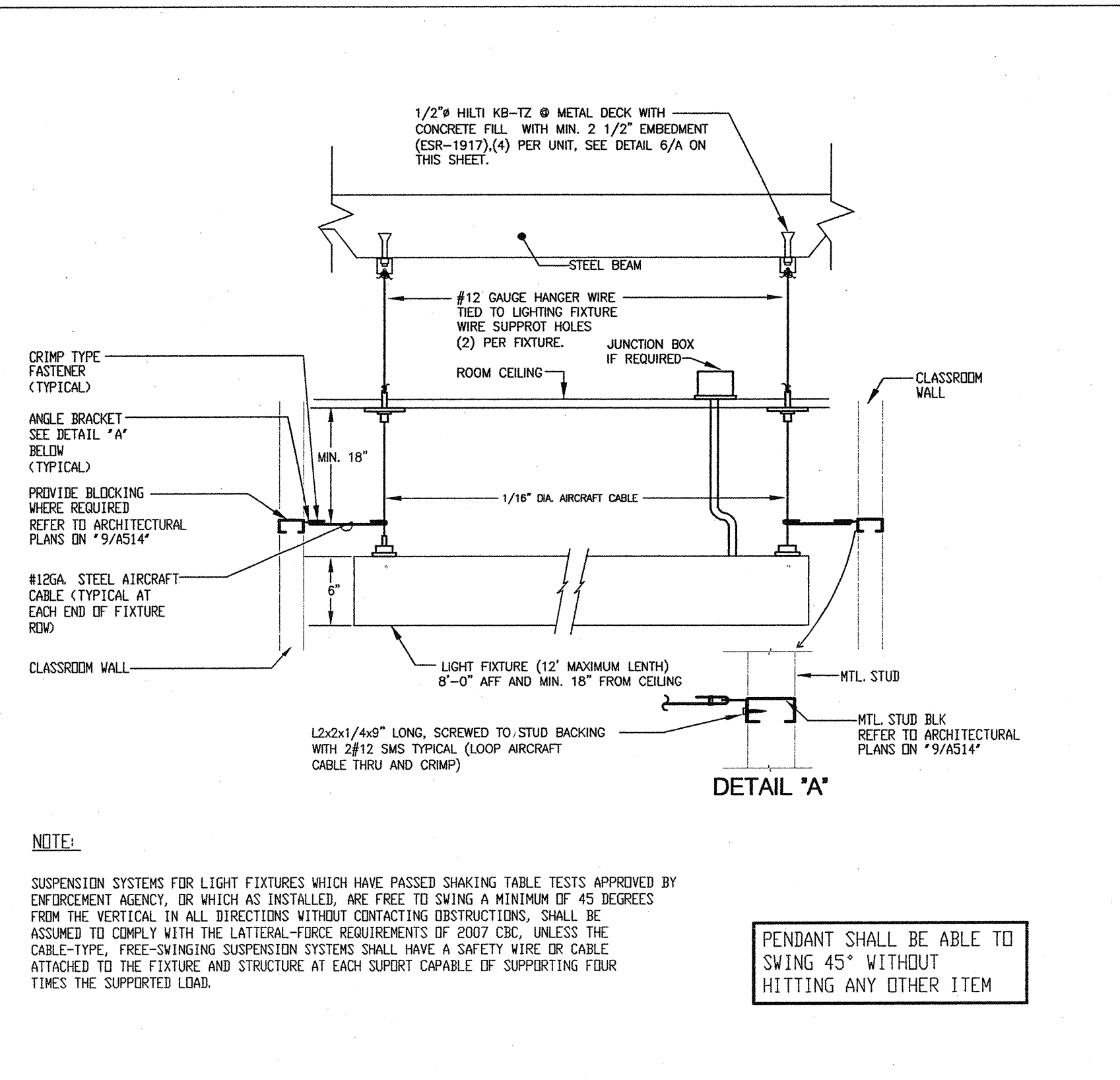


**MARK KEPPEL ELEMENTARY SCHOOL
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 750 GLENWOOD ROAD, GLENDALE, CA 91201

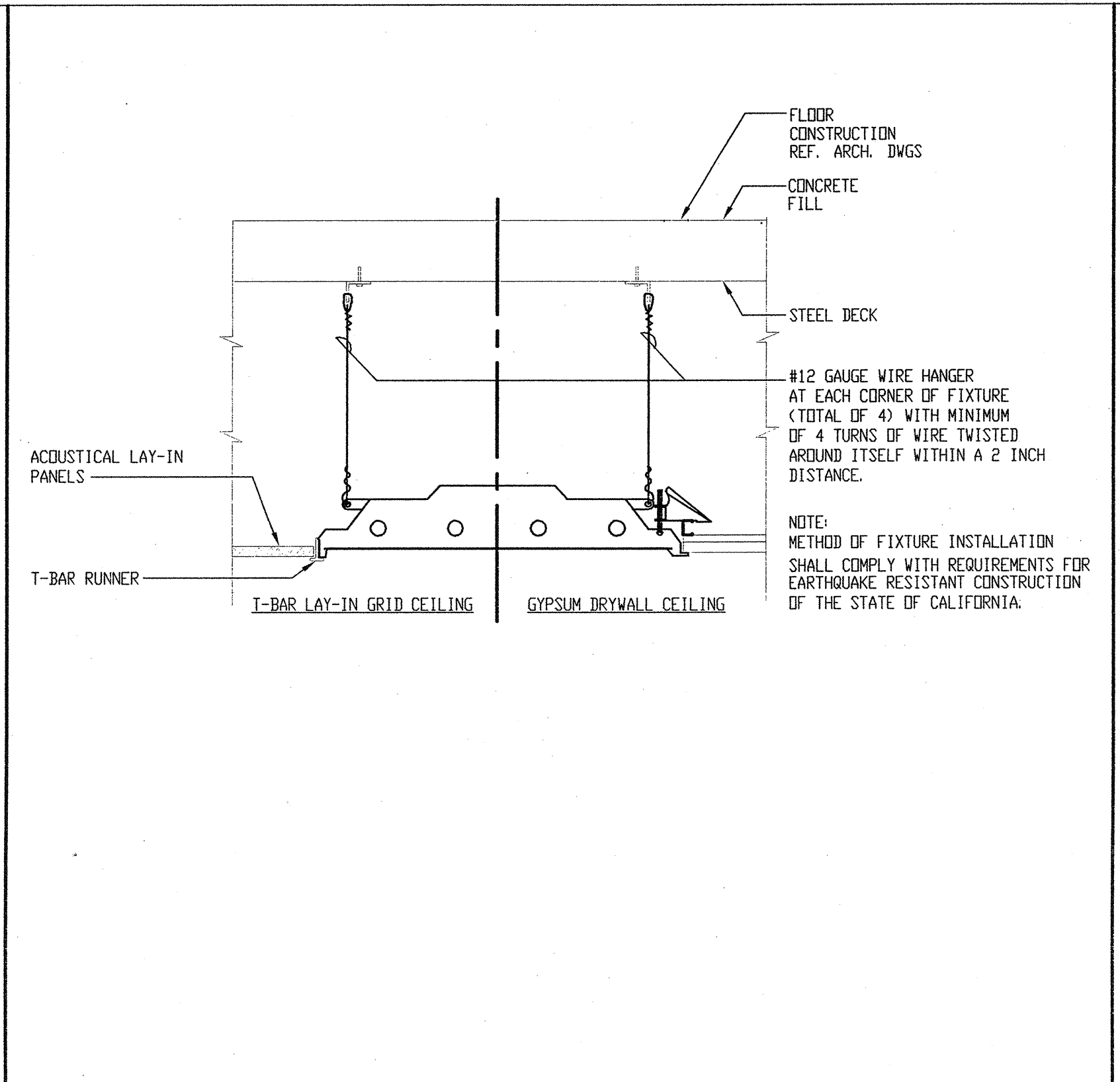
**FIRE ALARM RISER
 AND CALCULATION**
 SCALE: NONE

JOB NO.	P073
DRAWN BY	J.N.
DATE	02-10-11

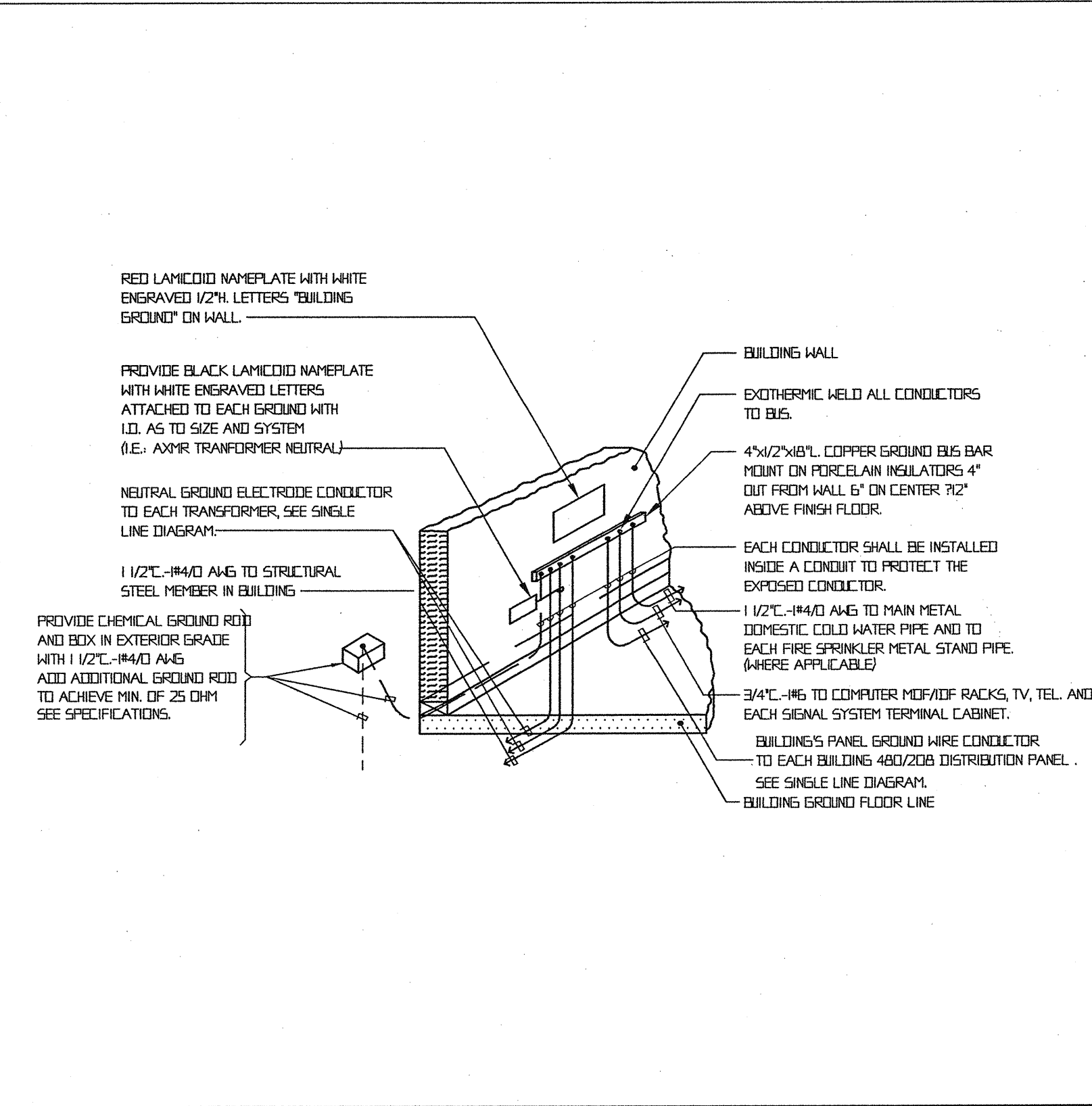
E-04



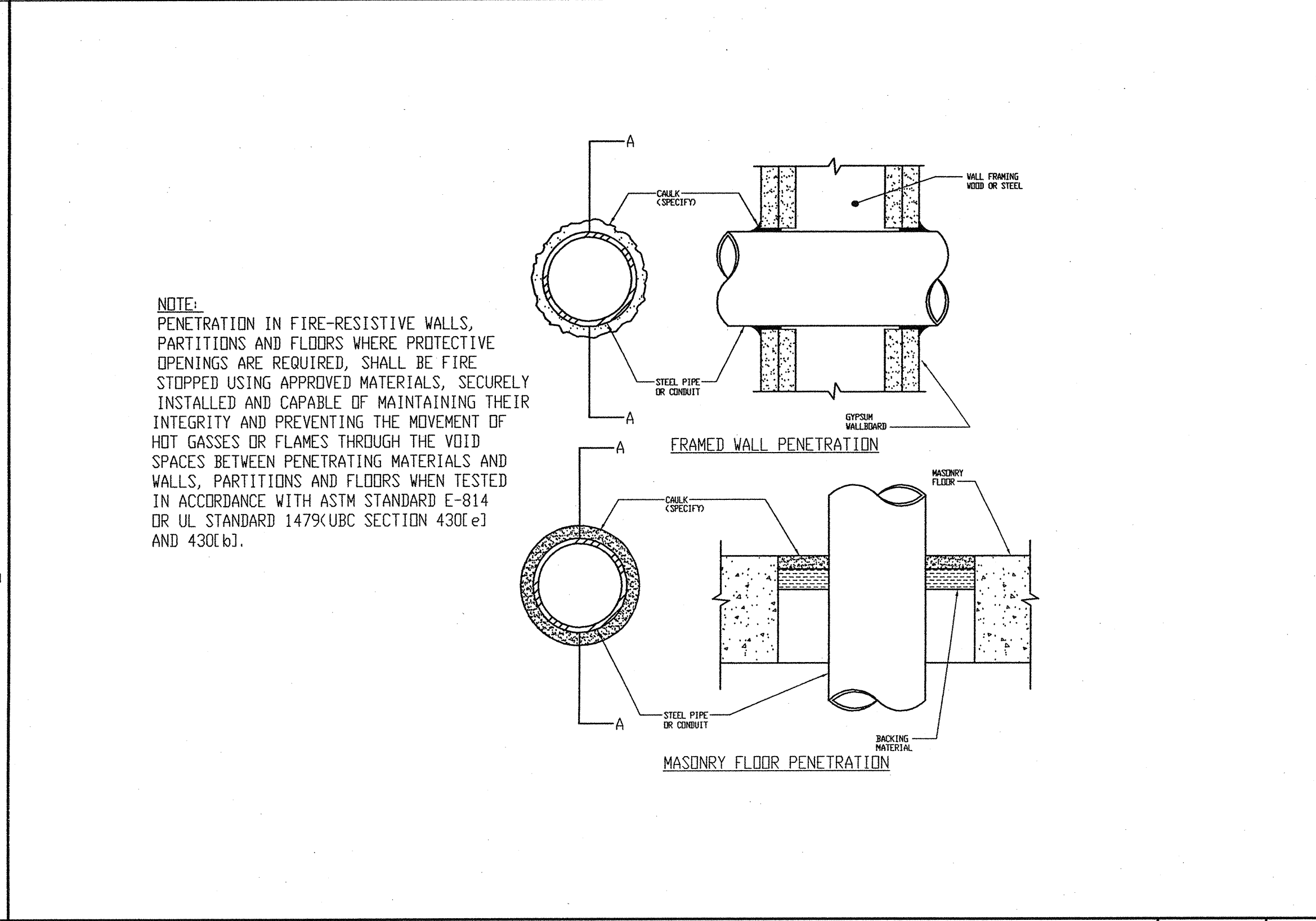
CABLE SUSPENSION FIXTURE MOUNTING AND BRACING SCALE: NTS 4



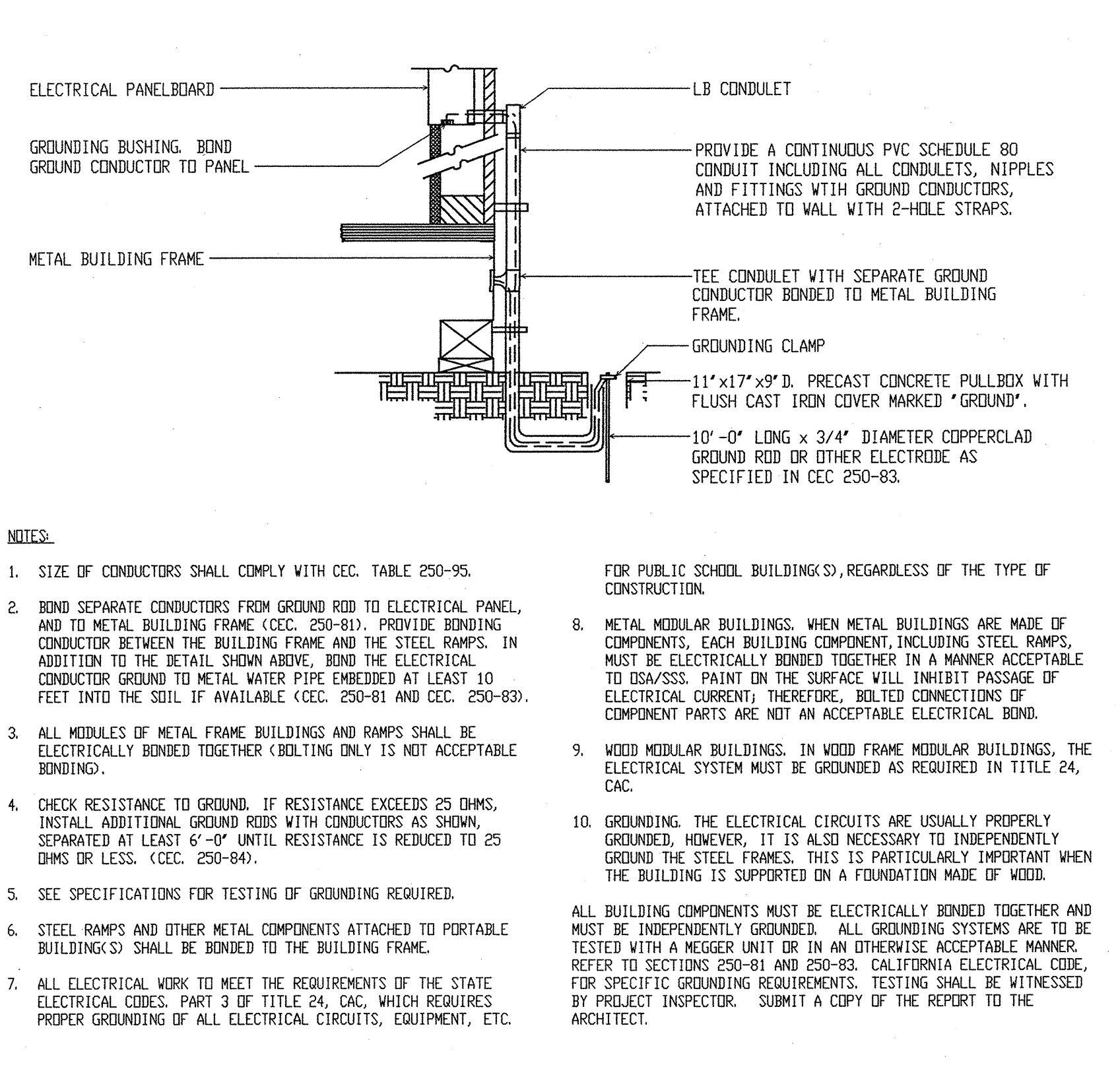
TYPICAL RECESSED FLUORESCENT MOUNTING DETAIL SCALE: NTS 3



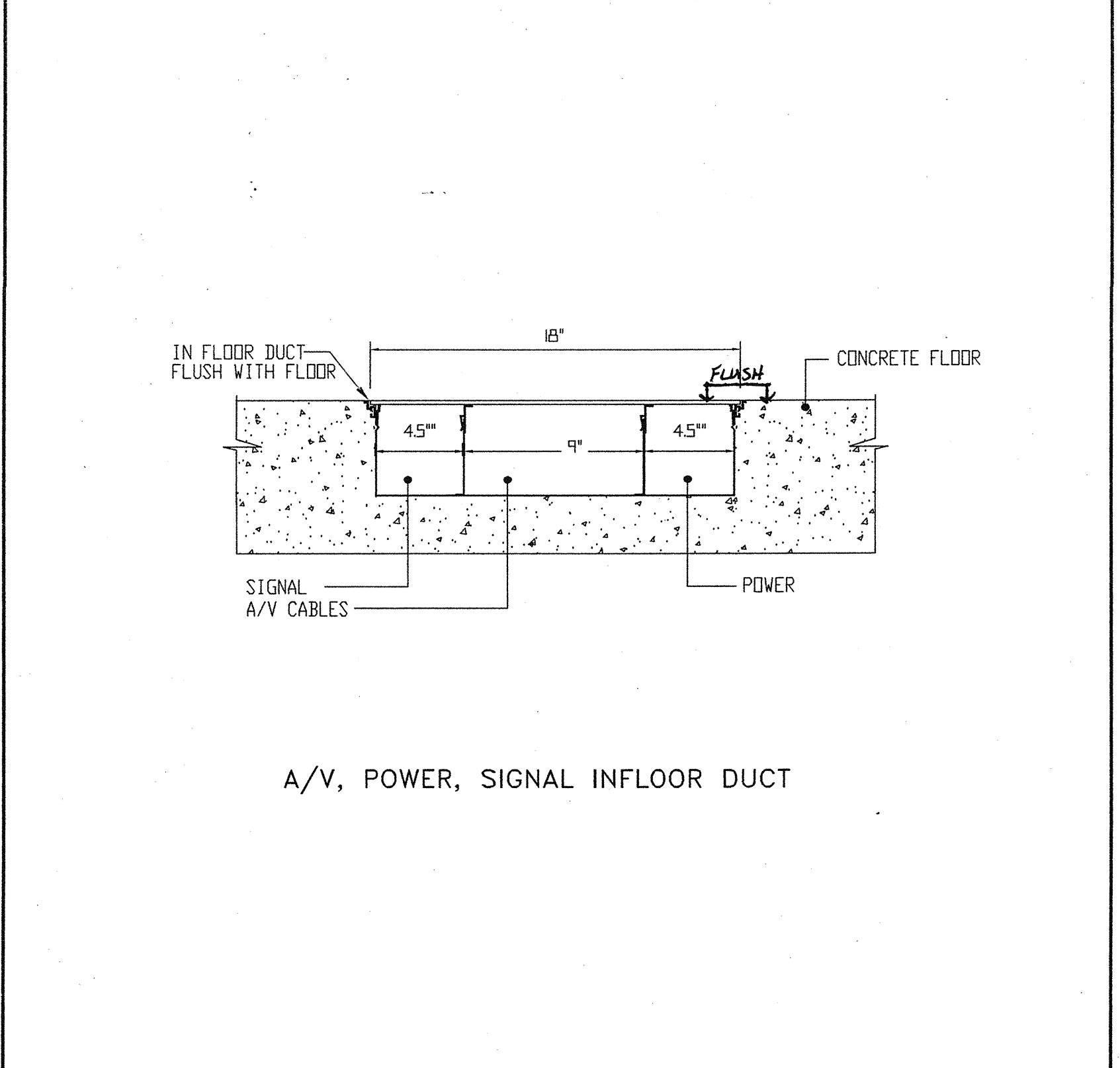
BUILDING ELECTRICAL SERVICE GROUND BUS SCALE: NTS 2



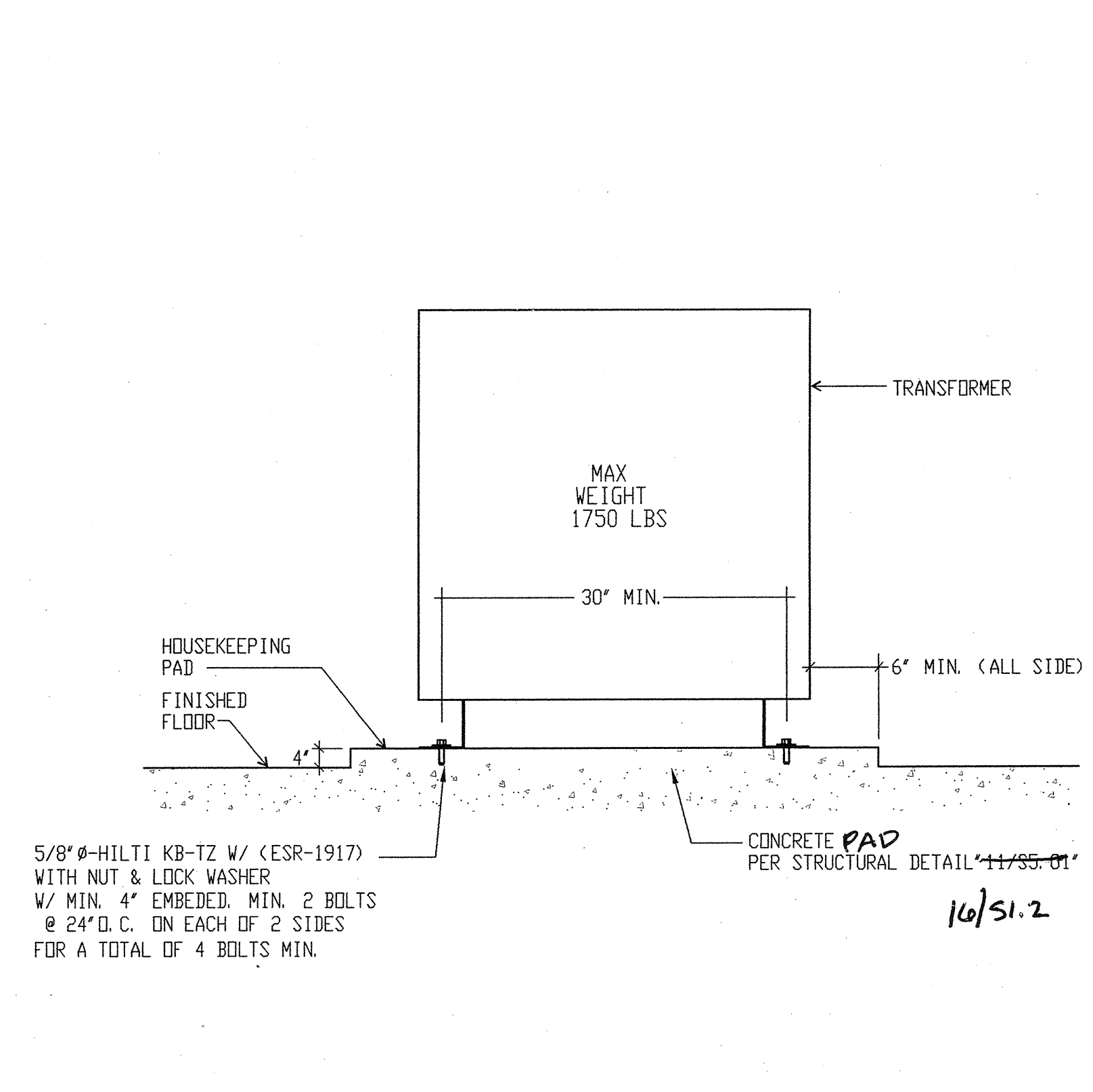
FIRE STOPPING AT CONDUIT INTERIOR WALL PENETRATION SCALE: NTS 1



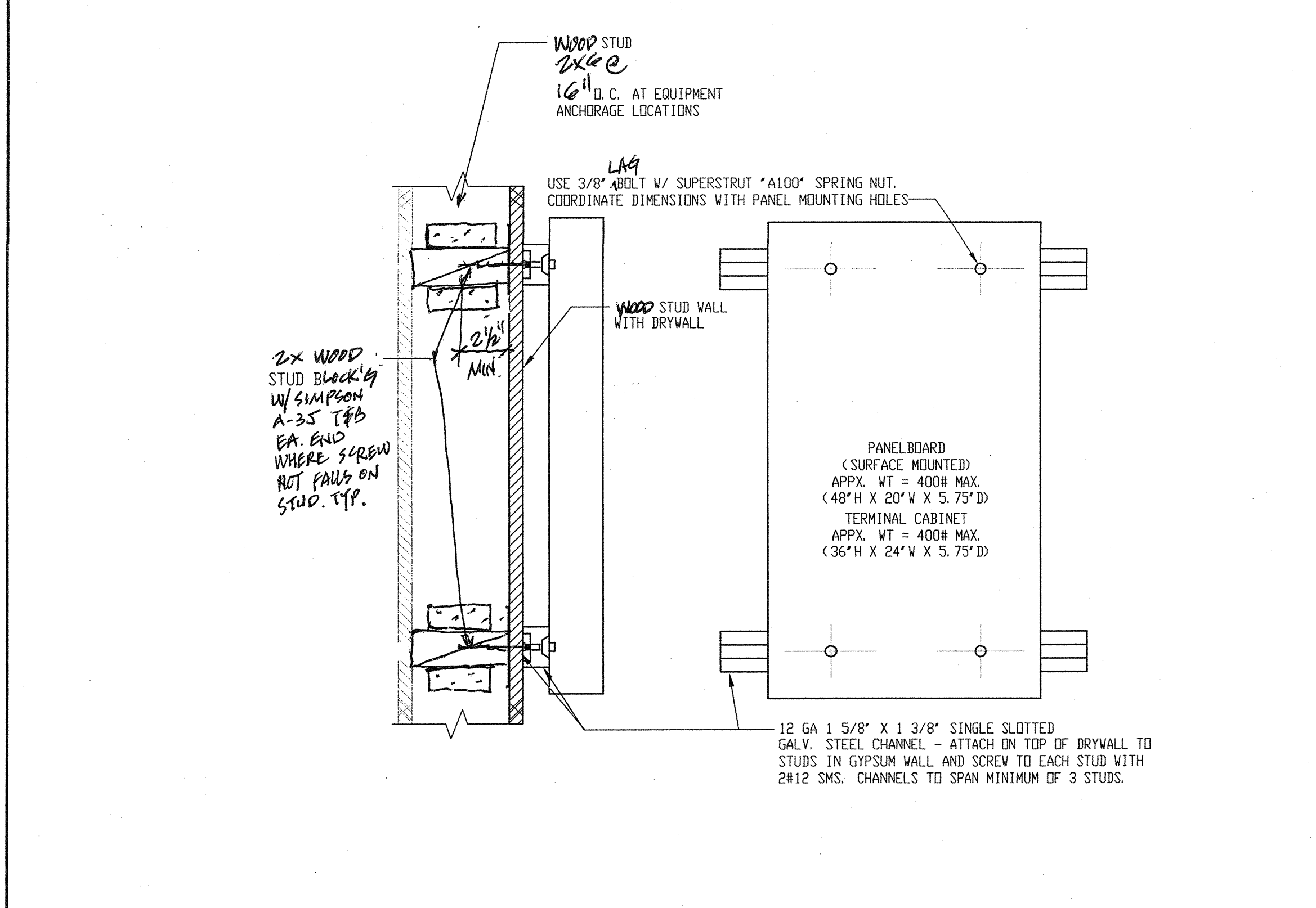
MODULAR BUILDING GROUND DETAIL SCALE: NTS 10



A/V, POWER, SIGNAL IN FLOOR DUCT SECTION SCALE: NTS 7



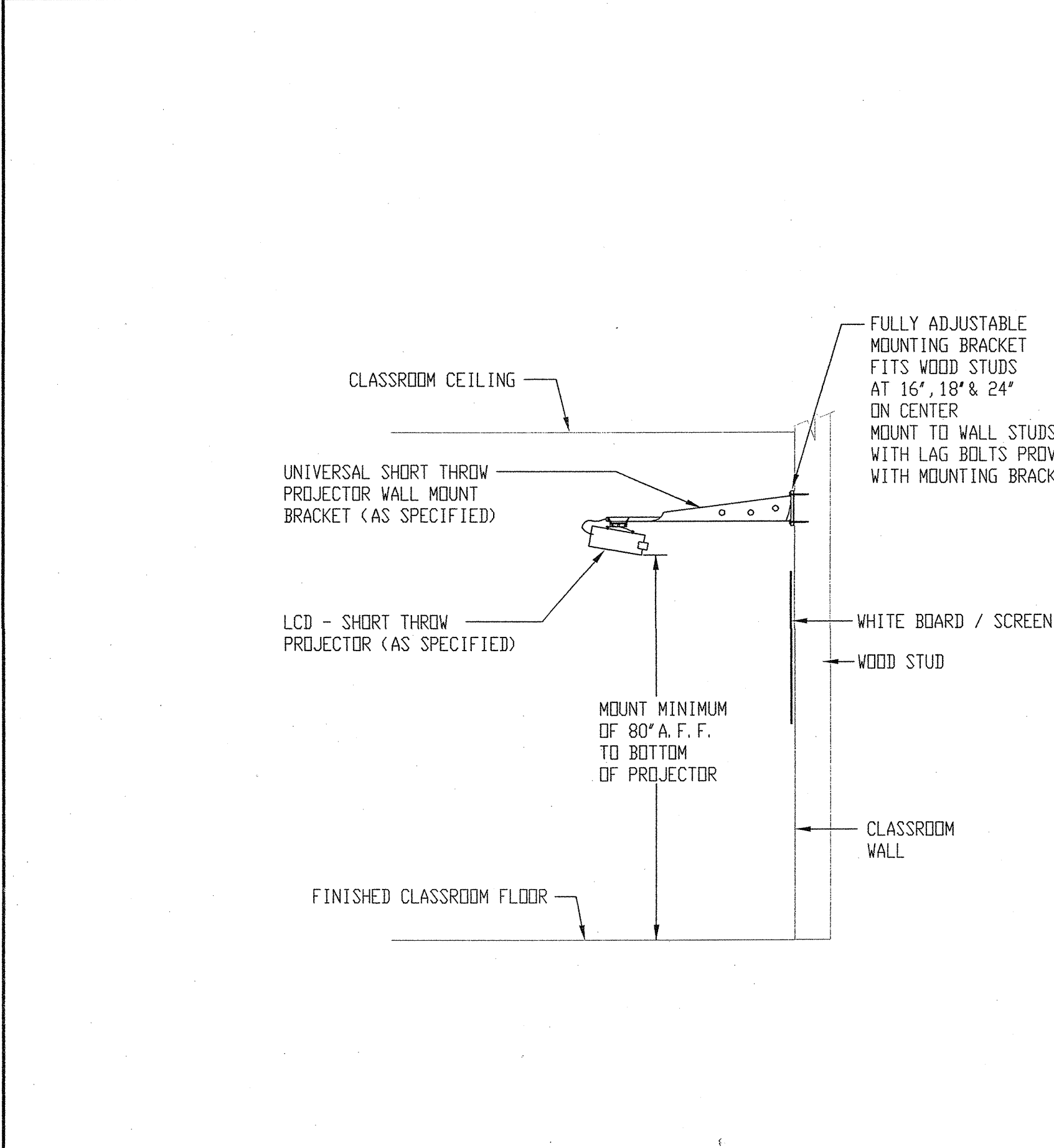
TRANSFORMER ANCHORAGE SCALE: NTS 6



SURFACE MOUNT EQUIPMENT ANCHORAGE SCALE: NTS 5



CLASSROOM LCD PROJECTOR MOUNTING DETAIL SCALE: NTS 9



TYPICAL CLASSROOM AUDIO VISUAL PLAN SCALE: NONE 8

RENEWAL 02/28/15

PROFESSIONAL SEAL

PSWC Group

ARCHITECTURE

1887 BUSINESS CENTER DRIVE SUITE 3

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MARK KEPPEL ELEMENTARY SCHOOL MODERNIZATION

GLENDALE UNIFIED SCHOOL DISTRICT

750 GLENWOOD ROAD, GLENDALE, CA 91201

ELECTRICAL DETAILS

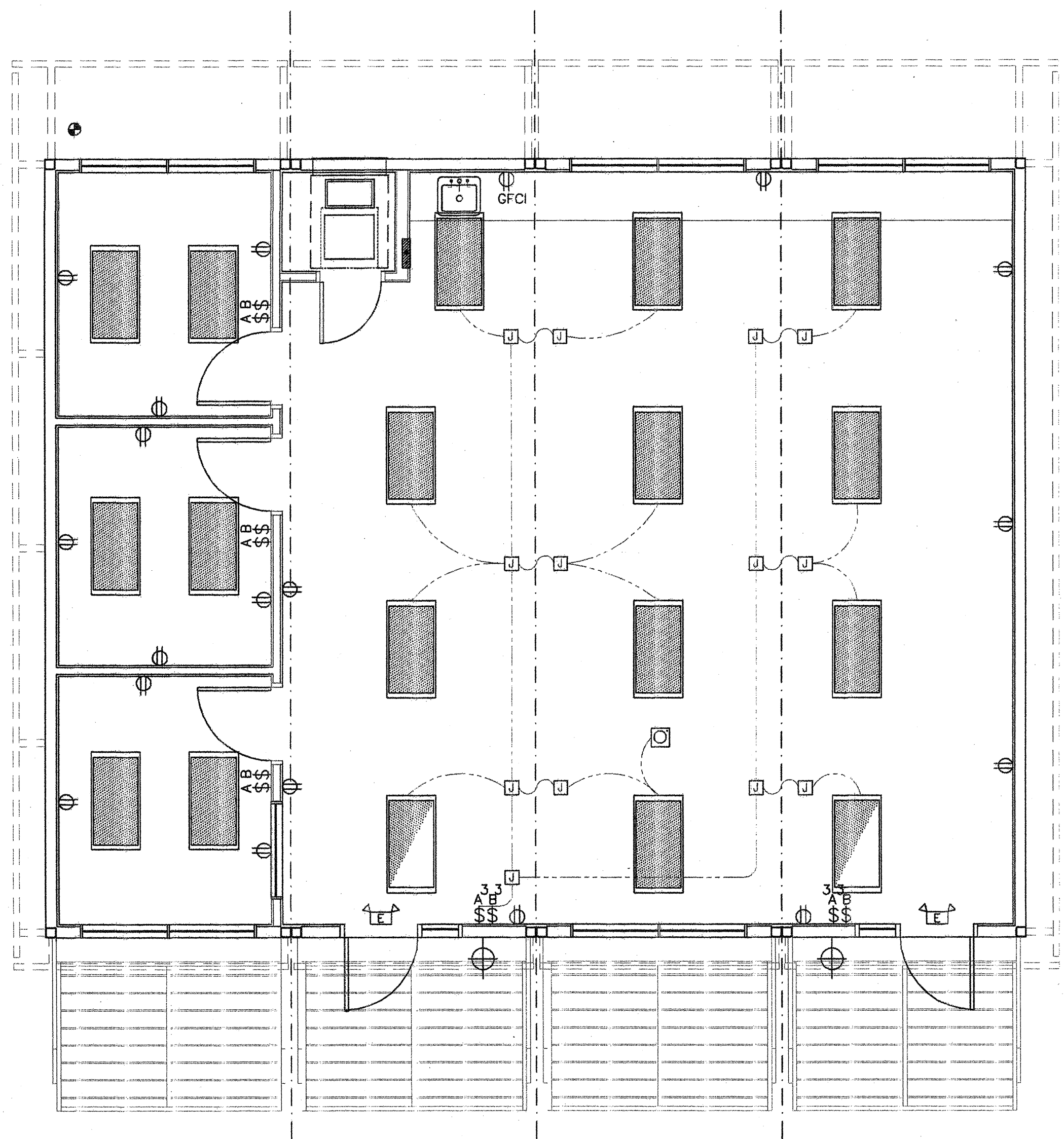
SCALE: NONE

JOB NO. P073

DRAWN BY J.N.

DATE 02-10-11

E-0.5



A ELECTRICAL PLAN
E1 1/4"=1'-0"

STANDARD ELECTRICAL SYMBOLS

	EXIT LIGHT WHERE TWO OR MORE EXITS ARE REQUIRED
	INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE
	DUPLEX WALL CONVENIENCE OUTLETS @ +18" TO CENTER LINE ABOVE F.F.
	FOURPLEX WALL OUTLET @ +18" TO CENTER LINE U.O.N.
	WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET
	GROUND FAULT CIRCUIT INTERRUPT OUTLET
	SINGLE POLE LIGHT SWITCHES @ +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
	ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"x1", #22 4"x2"
	CLOCK/SPEAKER COMBO @ +90"
	SWITCH SUBSCRIPTS - @=DEVICE CONTROLLED.
	JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
	SPEAKER- OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
	DATA/COMMUNICATION OUTLET ONLY- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +18" U.O.N. AND A 3/4" CONDUIT STUB CEILING SPACE.
	INTERCOM TELEPHONE- OUTLET ONLY- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" U.O.N.
	MOTION SENSOR OUTLET STUB-UP -PROVIDE (1)4" SQ. BOX W/ SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUB TO ABOVE CEILING (DEVICES BY OTHERS)
	SECURITY/INTRUSION KEY PAD - OUTLET ONLY- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" AND ONE 3/4" CONDUIT STUB ABOVE CEILING
	DOOR CONTACT - PROVIDE (1) EMPTY 1/2" EMT THROUGH DOOR HEADER STUB ABOVE CEILING
	CATV OUTLET STUB-UP -PROVIDE (1)4" SQ. BOX W/ SINGLE DEVICE RING AND COVER AND (1) 3/4" CONDUIT TO ABOVE CEILING (DEVICES BY OTHERS)
	FIRE ALARM PULL STATION - OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48". (DEVICE N.I.C.)
	FIRE ALARM HORN - OUTLET ONLY - 4" SQ. SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER @ +90" MIN (DEVICE N.I.C.)
	FIRE ALARM VISUAL ALARM- OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +80". A.F.F. BUT NO GREATER THAN +96", IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
	MINI HORN BOX W/ SINGLE DEVICE RING AND COVER @ +80"A.F.F. BUT NO GREATER THAN +96". STUB TO ATTIC
	THERMOSTAT @ +60" SEALED, +48" A.F.F UNSEALED
	ULTRASONIC OCCUPANCY SENSOR
	ELECTRICAL PANEL
	EMERG. LIGHTING W/BATTERY BACKUP WHERE TWO OR MORE EXITS ARE REQUIRED

* F.O.C.=FACE OF COLUMN

- GENERAL NOTES -

- F.A. : STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT
- IF OPTIONAL DOOR OCCURS A PULL STATION J-BOX AND EXIT SIGN ARE REQUIRED. PULL STATIONS ARE REQUIRED @ EVERY EXIT
- STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES SHOWN ARE DIAGRAMMICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
- SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.
- THE LIGHTS FOR EACH ROOM OVER 250' SQ FT SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR. WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE IN CONJUNCTION WITH BI-LEVEL SWITCHING.

NOTE:
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT, SMOKE DETECTORS AND PULL STATIONS WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS, T-8 ELECTRONIC BALLASTS (3)32 WATT TUBES, WT. 27 LBS.	SP41 32 W	CRESCENT 24GP40HFA1158YF2 OR LITHONIA 2GT440A12120ESPWS1846LPESCW
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE, 1/2" THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & POSIGRIP STAINLESS STEEL SCREWS. (PROVIDE EMERGENCY BATTERY BACK-UP WHERE TWO OR MORE EXITS OCCUR.)	(2) 7W TT 2700 K	ENERTRON 7026B-L OR EQUAL

REVISIONS

NO	DATE	DESCRIPTION

DATE: 04-08-11
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

40' x 32' GENERATION 7 PREFABRICATED BUILDINGS
ELECTRICAL PLAN

AMS
American Modular Systems Inc.
787 Sprucekole Ave, Mantec, CA 95336
(209)826-1921 Fax (209)825-7018
ams@americanmodular.com

APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 113828
AG/FLS/PL/SS
DATE JUL 0 8 2011

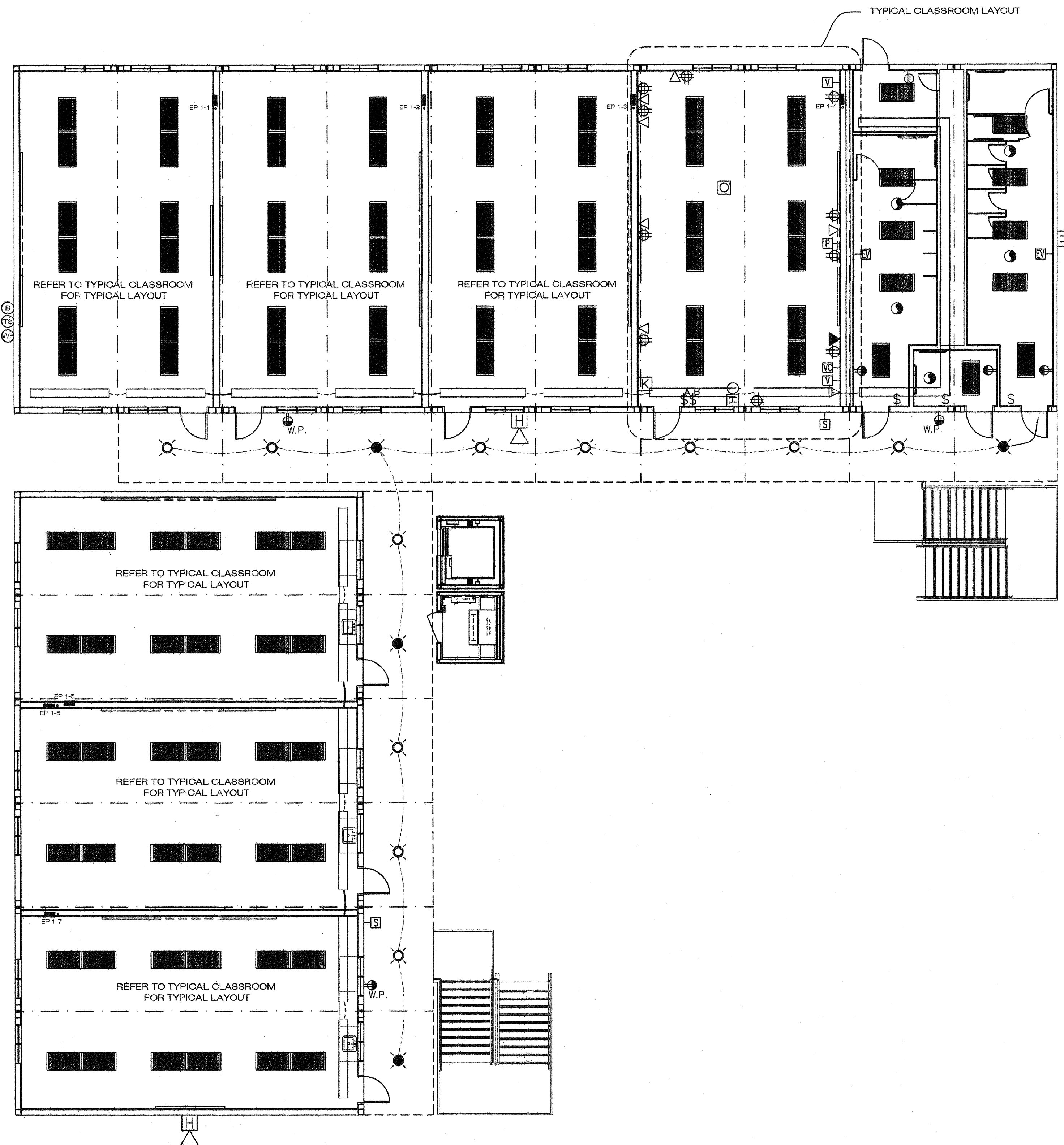
PROJECT No.
E1

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VOLTS: 120/208 THREE PHASE PANEL: 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7										FREQ: OVERHEAD			
MAIN: 1000 AMP MAIN BUS										LOCATION: INTERIOR		MOUNTING: FLSH	
LOAD		WATTS			AMP			LOAD					
	A	B	C	A	B	C	A	B	C				
INTERIOR LIGHTS	1120	370	370	1120	370	370	1120	370	370	RECEPT			
TV OUTLET	500	200	200	500	200	200	500	200	200	RECEPT			
RECEPT	1500	500	500	1500	500	500	1500	500	500	RECEPT			
SPARE													
PHASE WATTAGE		1120 370 370			1120 370 370			1120 370 370		PHASE WATTAGE			
WATTS PER LEG		370 370 370			370 370 370			370 370 370		WATTS PER LEG			
TOTAL WATTS: 3500		3500			3500			3500		TOTAL WATTS: 3500			
TOTAL AMP: 11.67		11.67			11.67			11.67		TOTAL AMP: 11.67			
FEEDERS TO BE RUN BY THE DISTRICT UNDERGROUND, SEE SITE ELECTRICAL PLAN.													

VOLTS: 120/208 THREE PHASE PANEL: 1-4										FREQ: OVERHEAD			
MAIN: 1000 AMP MAIN BUS										LOCATION: INTERIOR		MOUNTING: FLSH	
LOAD		WATTS			AMP			LOAD					
	A	B	C	A	B	C	A	B	C				
INTERIOR LIGHTS	1120	370	370	1120	370	370	1120	370	370	RECEPT			
TV OUTLET	500	200	200	500	200	200	500	200	200	RECEPT			
RECEPT	1500	500	500	1500	500	500	1500	500	500	RECEPT			
INTERIOR LIGHTS R/R										RECEPT ILL			
RECEPT R/R										RECEPT			
SPARE										EXHAUST FAN			
PHASE WATTAGE		1120 370 370			1120 370 370			1120 370 370		PHASE WATTAGE			
WATTS PER LEG		370 370 370			370 370 370			370 370 370		WATTS PER LEG			
TOTAL WATTS: 3500		3500			3500			3500		TOTAL WATTS: 3500			
TOTAL AMP: 11.67		11.67			11.67			11.67		TOTAL AMP: 11.67			
FEEDERS TO BE RUN BY THE DISTRICT UNDERGROUND, SEE SITE ELECTRICAL PLAN.													

NOTE:
THE ELECTRICAL LOADS ARE BASED ON CURRENT ELECTRICAL INFORMATION IF ADDITIONAL ELECTRICAL ITEMS ARE ADDED THE LOADS ARE SUBJECT TO CHANGE



1 GROUND FLOOR ELECTRICAL PLAN
E1 1/8"=1'-0"

STANDARD ELECTRICAL SYMBOLS			
⊕	DUPLEX WALL CONVENIENCE OUTLETS	⊕ +18" TO CENTER LINE ABOVE F.F.	
⊕	GROUND FAULT CIRCUIT INTERRUPT OUTLET	AT 42" TO TOP OF BOX	
⊕	CEILING MOUNTED RECEPT OUTLET		
\$	SINGLE POLE LIGHT SWITCHES	⊕ +48" TO TOP OF BOX, HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.	
⊕	ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING	#1-4"x1", #22 4"x2"	
a	SWITCH SUBSCRIPTS	- ⊕=DEVICE CONTROLLED.	
⊕	JUNCTION BOX	- SIZE AND TYPE AS REQUIRED.	
Δ	DATA/COMMUNICATION OUTLET ONLY	- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +18" U.O.N. AND A 1" CONDUIT STUB TO ABOVE CEILING.	
▼	TELEPHONE OUTLET ONLY	- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +18" U.O.N. AND A 1" CONDUIT STUB TO ABOVE CEILING AND CONNECT TO CABLE TRAY.	
HV	VIDEO CONNECTION OUTLET	- PROVIDE 3 GANG BOX AT +48" U.O.N. AND A 2" CONDUIT STUB TO ABOVE CEILING DEVICES AND WIRING BY OTHERS	
K	INTRUSION DETECTION SYSTEM KEY PAD	PROVIDE (1) 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER ⊕ +45" STUB TO ABOVE CEILING W/(1) 1" CONDUIT (DEVICES BY OTHERS)	
⊕	FOUR PLEX WALL CONVENIENCE OUTLETS	⊕ +18" TO CENTER LINE ABOVE F.F.	
HV	VIDEO CONTROL OUTLET	- PROVIDE 2 GANG BOX AT +48" U.O.N. AND A 1" CONDUIT STUB TO ABOVE CEILING DEVICES AND WIRING BY OTHERS	
HV	DATA OUTLET FOR PROJECTOR		
HV	EXTERIOR SPEAKER IN BACKBOX MOUNTED	AT +90" WITH (1) 1" CONDUIT TO ABOVE CEILING SPACE	
HV	ELECTRONIC VISUAL DEVICE ON FLUSH MOUNTED OUTLET BOX	AT +80" TO ABOVE CEILING SPACE	
⊕	4" SQ. JUNCTION BOX	W/SINGLE DEVICE RING AND COVER AND A 1 1/2" CONDUIT STUB CEILING SPACE.	
TS	BOX FOR FIRE RISER TAMPER SWITCH	PROVIDE (1) 4" SQ. BOX W/ DOUBLE DEVICE RING AND COVER ⊕ 5"-5" TO CENTER OF BOX STUB TO ABOVE CEILING W/(1) 3/4" CONDUIT (DEVICES BY OTHERS)	
WF	BOX FOR FIRE RISER WATER FLOW SWITCH	PROVIDE (1) 4" SQ. BOX W/ DOUBLE DEVICE RING AND COVER WITH 120 V FROM 20A DEDICATED BREAKER ⊕ 5"-5" TO CENTER OF BOX INTERCONNECT WITH FIRE RISER BELL BOX W/(1) 3/4" CONDUIT (DEVICES BY OTHERS)	
B	BOX FOR FIRE RISER BELL	PROVIDE (1) 4" SQ. BOX W/ DOUBLE DEVICE RING AND COVER ⊕ 8"-9" TO CENTER OF BOX INTERCONNECT WITH WATER FLOW SWITCH BOX W/(1) 3/4" CONDUIT (DEVICES BY OTHERS)	
H	FIRE ALARM HORN - OUTLET ONLY	- 4" SQ. SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER ⊕ +90" MIN (DEVICE N.I.C.)	
H	FIRE ALARM HORN/STROBE - OUTLET ONLY	- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +80" A.F.F. BUT NO GREATER THAN +96", IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).	
⊕	THERMOSTAT	⊕ +60" SEALED, +48" A.F.F. UNSEALED	
⊕	ULTRASONIC OCCUPANCY SENSOR		
⊕	ELECTRICAL PANEL		
---	CABLE TRAY MODEL OF 105/300 EZ OR EQUAL (N.I.C.)	INSTALL PER DETAIL 1.1/E1	
---	LOW VOLTAGE CONDUCTORS	SPAN 24" MAX UNSUPPORTED	
---	PROVIDE (2) 2" SLEEVES		

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
⊕	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS, T-8 ELECTRONIC BALLASTS (2)32 WATT TUBES, WT. 27 LBS.	SP41 32 W	LITHONIA 2R1852321208NPL835H78PW/846
⊕	VANDAL PROOF SURFACE MOUNT SOFFIT LIGHT (PROVIDE EMERGENCY BATTERY BACK-UP WHERE REQUIRED)	(2) 32	ENERTRON 7026B-L OR EQUAL
⊕	VANDAL PROOF SURFACE MOUNT SOFFIT LIGHT	(2) 32	ENERTRON 7026B-L OR EQUAL

NOTE:
REFER TO FIRE ALARM PLANS FOR FIRE ALARM DESIGN

NOTE:
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT, SMOKE DETECTORS AND PULL STATIONS AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 05-18-11
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

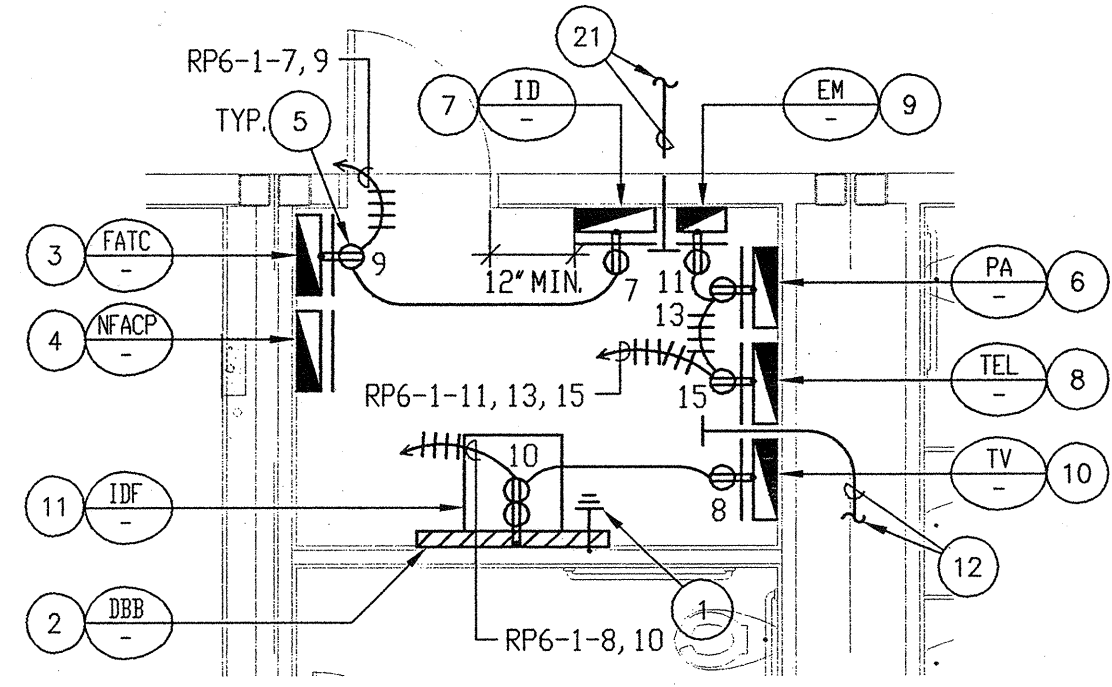
120' x 40' AND 72' x 40' 2 STORY BUILDING
GROUND FLOOR ELECTRICAL PLAN

AMS
American Modular Systems Inc.
787 Spreckels Ave, Manteca, CA 95330
(209)925-1921 Fax (209)925-7018
americanmodular.com

APPROVALS:

PROJECT NO. **E1**

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DIV. OF THE STATE ARCHITECT
APPROB 1 1 3 8 2 8
AC/FLS
DATE JUL 16 2011



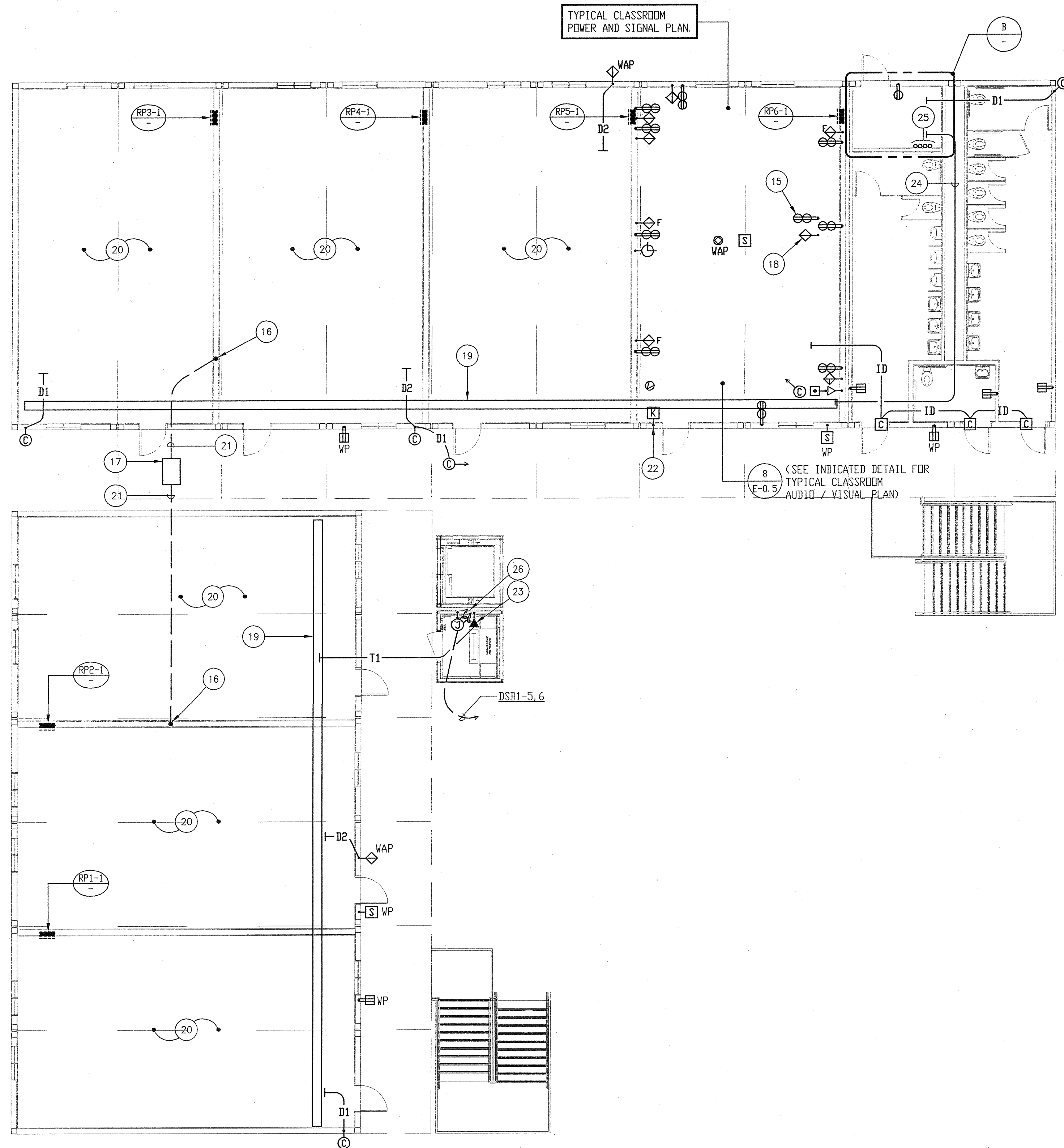
ENLARGED SIGNAL ROOM PLAN

SCALE: 1/4" = 1'-0" **B**

MARK KEPPEL E.S.				PROJECT NO. 270.056			
VOLTS 120/208 PHASE 3PH, 4W W/G FLUSH				PANELBOARD RPP-1(EXISTING) * LOCATION CLASSROOM			
MAIN 100A BUS 100A							
← LOAD (VA)	→ LOAD	OUTLET	DESCRIPTION	← LOAD (VA)	→ LOAD	OUTLET	DESCRIPTION
1 1120		20/1	CE INTERIOR LITS.	A 2 1500		G 20/1	CE RECEPTACLES
3 800		20/1	CE TV OUTLET	B 4 1500		G 20/1	CE RECEPTACLES
5 1500		20/1	CE RECEPTACLES	C 6 1500		G 20/1	CE RECEPTACLES
7 200		20/1	INTRUSION DETECTION	A 8 200		20/1	TELEVISION SYSTEM
9 200		20/1	FA FIRE ALARM	B 10 500		20/1	TIF
11 200		20/1	ENERGY MANAGEMENT	C 12 500		20/1	SPARE
13 200		20/1	PUBLIC ADDRESS	A 14		20/1	SPARE
15 200		20/1	TELEPHONE SYSTEM	B 16		20/1	SPARE
17		20/1	SPARE	C 18		20/1	SPARE
19		20/1	SPARE	A 20		20/1	SPARE
21		20/1	SPARE	B 22		20/1	SPARE
23		20/1	SPARE	C 24		20/1	SPARE
25			PROVISION	A 26			PROVISION
27			PROVISION	B 28			PROVISION
29			PROVISION	C 30			PROVISION

CONNECTED	VA	AMPS	RECEPT.	L.C.L. @ 125% =	1400	LOAD TYPE:
PHASE A =	2620	27		KITCHEN @ 65% =	0	G - GENERAL (1000) M - MOTOR (1000)
PHASE B =	2620	27		OTHER LOAD @ 100% =	8500	L - L.C.L. (1250) MI - MOTOR (1250)
PHASE C =	2620	27		TOTAL VA =	9900	R - RECEPTACLE (500) X - X-RAY (1000)
TOTAL =	9620	27		TOTAL AMPS =	27	(10 KVA @ 1000) XI - X-RAY (500)

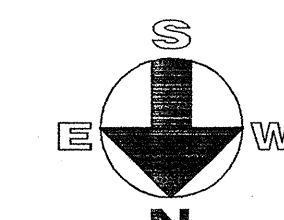
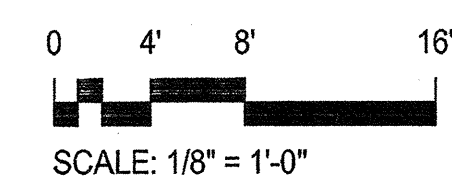
* - REFER TO RESPECTIVE BUILDING ELECTRICAL PLANS FOR THE EXACT PANEL DESIGNATION.
 ** - PROVIDE APPROVED CIRCUIT BREAKER LOCK-ON DEVICE, RED IN COLOR, LABEL, FIRE ALARM CONTROL CIRCUIT.



GROUND FLOOR POWER AND SIGNAL PLANS-BUILDING 3000

PLAN NOTES

- 1 PROVIDE GROUND BUS AS REQUIRED. 3/4" C. WITH 1#6 GROUND TO BUILDING MAIN GROUND.
- 2 4" Wx8" Hx3/4" THICK PLYWOOD, FIRE RESISTANT, FOR DATA SYSTEM.
- 3 PROVIDE 18"x18"x4"D TERMINAL CABINET FOR FIRE ALARM SYSTEM.
- 4 PROVIDE SPECIFIED FIRE ALARM SYSTEM EXPANDER PANEL.
- 5 MOUNT RECEPTACLE INSIDE OF TERMINAL CABINET, CONNECT AS REQUIRED.
- 6 PROVIDE 18"x18"x4"D TERMINAL CABINET FOR PUBLIC ADDRESS SYSTEM.
- 7 PROVIDE 18"x18"x4"D TERMINAL CABINET FOR INTERUSION DETECTION SYSTEM.
- 8 PROVIDE 18"x18"x4"D TERMINAL CABINET FOR TELEPHONE SYSTEM.
- 9 PROVIDE 12"x12"x4"D TERMINAL CABINET FOR ENERGY MANAGEMENT SYSTEM.
- 10 PROVIDE 18"x18"x4"D TERMINAL CABINET FOR TELEVISION SYSTEM.
- 11 PROVIDE BUILDING INTERMEDIATE DATA FRAME COMPUTER (IDF) AS SPECIFIED.
- 12 SIGNAL SYSTEM CONDUIT STUB-OUT. SEE NOTE #24 ON THIS SHEET FOR MORE INFORMATION.
- 13 NOT USED.
- 14 CRESTON WALL VAULT ENCLOSURE WITH SWITCHER, AMPLIFIER AND BRACKET FOR MOUNTING PROJECTOR. VERIFY EXACT MOUNTING LOCATION.
- 15 DUPLEX POWER OUTLET FOR PROJECTOR SYSTEM LOCATED BEHIND PROJECTOR MOUNTING ASSEMBLY WALL VAULT ENCLOSURE. VERIFY EXACT MOUNTING LOCATION PRIOR TO ROUGH-IN.
- 16 INDICATED SIGNAL SYSTEM CONDUIT SHALL RISE FROM BELOW GRADE AND EXTEND UP INSIDE OF WALL AND STUB-UP +6" ABOVE WALLS' TOP PLATE IN ACCESSIBLE CEILING SPACE FOR ROUTING SIGNAL SYSTEM CONDUCTORS TO CABLE TRAY.
- 17 PROVIDE 2' x3' x30"D. FLUSH IN GRADE CONCRETE PULL BOX WITH BOLT DOWN TRAFFIC RATED COVER. ENGRAVE COVER "SIGNAL"
- 18 DATA OUTLET FOR PROJECTOR SYSTEM LOCATED BEHIND PROJECTOR MOUNTING ASSEMBLY WALL VAULT ENCLOSURE. VERIFY EXACT MOUNTING LOCATION PRIOR TO ROUGH-IN.
- 19 12" Wx6" D. OVERHEAD CABLE TRAY AS SPECIFIED, IN ACCESSIBLE CEILING SPACE.
- 20 PROVIDE COMPLETE CLASSROOM POWER AND SIGNAL SYSTEMS INCLUDING: ALL DEVICES, OUTLET BOXES, SWITCHES, SPEAKERS, AUDIO / VIDEO OUTLETS AND DEVICES, CONDUITS, CONDUCTORS, HARDWARE, BLANK COVERS, DEVICE COVER PLATES AND ALL CONNECTIONS AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM PER TYPICAL CLASSROOM POWER AND SIGNAL PLAN INDICATED.
- 21 UTILIZE THE FOLLOWING PRE-INSTALLED (BY PREFAB) UNDERGROUND SIGNAL SYSTEM CONDUIT STUB-UP AND PROVIDE SPECIFIED SIGNAL SYSTEM CONDUCTORS:
 (2) 3" C. DATA SYSTEM
 (1) 2" C. PUBLIC ADDRESS SYSTEM
 (1) 2" C. TELEPHONE SYSTEM
 (1) 2" C. TELEVISION SYSTEM
 (1) 1" C. INTURSION DETECTION SYSTEM
 (1) 1" C. FIRE ALARM SYSTEM
 (2) 2" C. D. SPARE
- 22 INTRUSION DETECTION ACCESS KEY PAD, OCCURS IN INDICATED ROOM ONLY AND WILL CONTROL ACCESS TO ENTIRE BUILDING.
- 23 PROVIDE 3/4" C. WITH SPECIFIED CONDUCTORS FOR DEDICATED ELEVATOR TELEPHONE LINE. CONNECT AS REQUIRED.
- 24 PROVIDE THE FOLLOWING CONDUIT SLEEVES FOR ROUTING SIGNAL SYSTEM CONDUCTORS:
 (2) 3" C. DATA SYSTEM
 (1) 2" C. PUBLIC ADDRESS SYSTEM
 (1) 2" C. TELEPHONE SYSTEM
 (1) 2" C. TELEVISION SYSTEM
 (1) 1" C. INTURSION DETECTION SYSTEM
 (1) 2" C. D. SPARE
- 25 STUB-UP (4) 4" CONDUIT SLEEVES TO 2ND FLOOR CLOSET. SEE SHEET E-2.1 FOR MORE INFORMATION.
- 26 PROVIDE POWER AND CONNECTIONS TO ELEVATOR CONTROLLER AND ELEVATOR CAB LIGHTS AND FAN AS REQUIRED. VERIFY EXACT LOCATION.



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

PSWC Group
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 1887 BUSINESS CENTER DRIVE SUITE 3
 GLENDALE, CA 91201
 TEL: 626.990.2333 FAX: 626.990.2444

MARK KEPPEL ELEMENTARY SCHOOL
 MODERNIZATION
 GLENDALE UNIFIED SCHOOL DISTRICT
 730 GLENWOOD ROAD, GLENDALE, CA 91201

GROUND FLOOR
 POWER & SIGNAL PLANS
 SCALE: 1/8" = 1'-0"

JOB NO. 2703
 DRAWN BY J.N.
 DATE 02-10-11
E-11

LOAD	PANEL "A"				PANEL "B"				LOAD
	WATTS	BRK	C	A	WATTS	BRK	C	A	
RECEPTS	1440	20	1	1	2	35	3216		A/C HVAC UNIT
EXIT LIGHT / EXTERIOR LIGHTS	500	20	1	3	4	35	3216		A/C HVAC UNIT
INTERIOR LIGHTS	1440	20	1	3					
				7					
				4					
				11					
				12					
				13					
				14					
				15					
				16					
PHASE WATTAGE	2880	300		17			3216	3216	PHASE WATTAGE
TOTAL WATTS "A" LEG =	6046				TOTAL WATTS "B" LEG =	6516			
TOTAL WATTS =	4612				40 AMPS	120/240V	SINGLE PHASE		125AMP BUS

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY NFPA 72 4.4.1.4.2.1

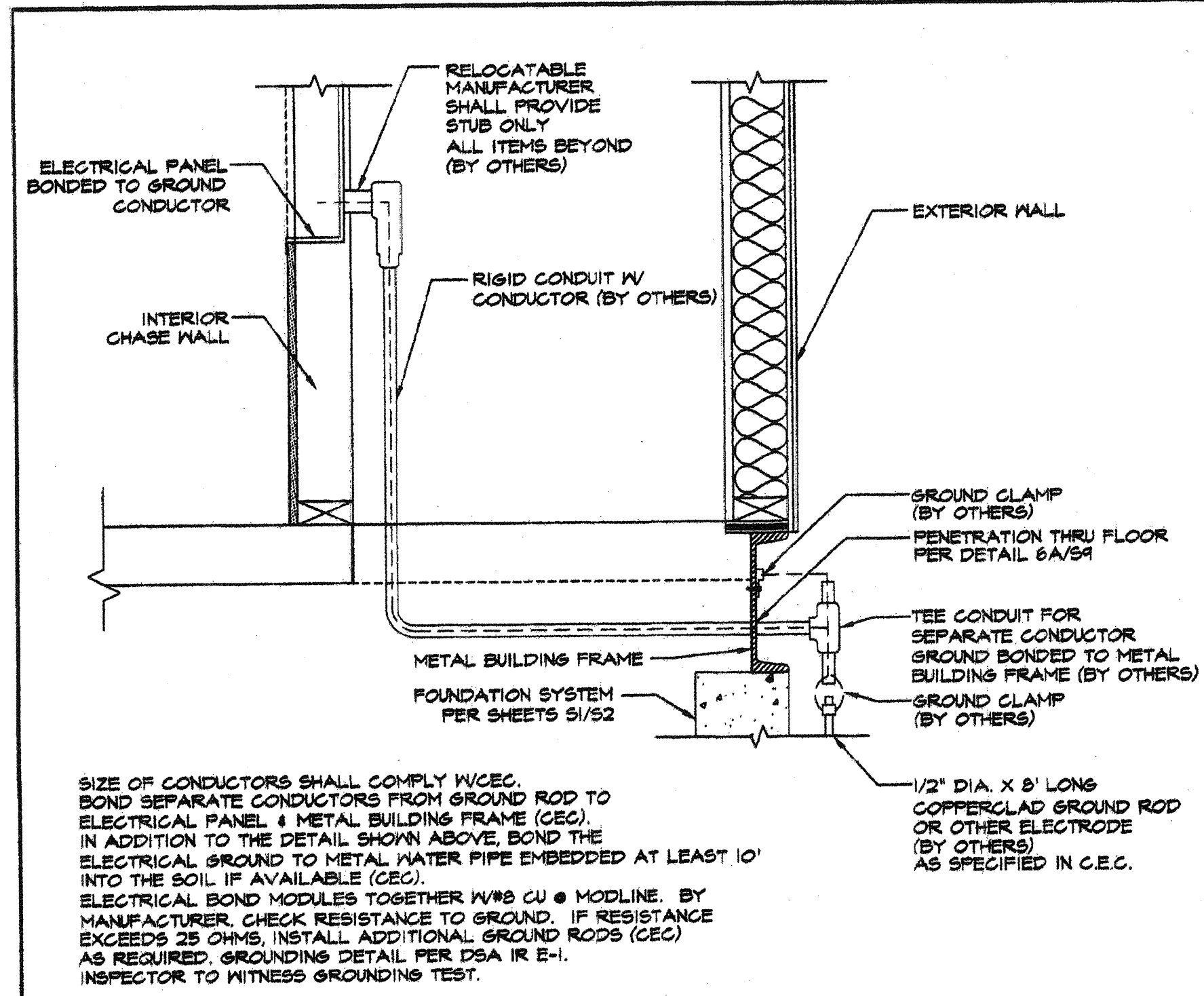
- GENERAL NOTES -

- FIRE ALARM SYSTEM**
- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CA. FIRE CODE.
 - INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA.
 - UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
 - JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL AT 10' ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
 - COVERS - INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
 - THE AUTOMATIC FIRE ALARM SYSTEM SHALL BE INSTALLED, TESTED AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CBC SEC. 1006.2.4.2.2.1) AND THE 2007 EDITION OF NFPA 72.
 - THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
 - ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 50 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH EVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 7.4.2).
 - THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 7.3).
 - AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 41. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UFX OR ULIS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 8011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET LOSS OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY PER (CBC).

- GENERAL NOTES**
- GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
 - PROVIDE BONDS TO BLDG. STEEL & PANEL (B CU)
 - PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

- FIXTURE NOTES**
- ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
 - LUMINAIRE/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE, TITLE 24.
 - FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

- ELECTRICAL**
- ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
 - MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTINGS FOR GROUNDING CABLE.
 - ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING. SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
 - 2X4 FLUORESCENT FIXTURES SHALL BE STEEL FRAME LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KAS, INC. KCSH-12, CAROLITE, INC. AC-12 OR PLASKOLITE, INC. PFL21A. MINIMUM LENS THICKNESS SHALL BE 1/2 INCH.
 - FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT. CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACED FROM INSIDE THE FIXTURE.
 - CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
 - CLOCK SHALL BE GENERAL ELECTRIC MODEL 2R12 120V 60 CYCLE
 - CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SERIFLEX HANGING CLIP & APFD RECEPT.
- THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING. IF 60 DEGREES C. WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY BE PROVIDED ON THE DRAWINGS.



SIZE OF CONDUCTORS SHALL COMPLY W/CEC. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL, IF AVAILABLE (CEC). ELECTRICAL BOND MODULES TOGETHER W/8 CU # MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

1 GROUNDING DETAIL
E2 1 1/2" x 11"

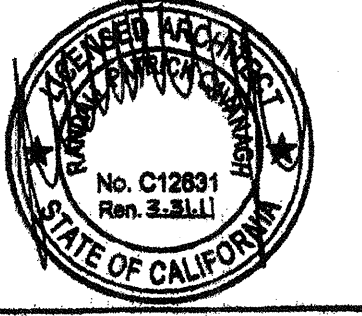
REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 10-12-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
49' - 228' x 40' 2 STORY BUILDING
ELECTRICAL NOTES & DETAILS



APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APR03 1 1 3 8 2 8
AC/FLS/PC/SS/SD
DATE: JUL 6 8 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-110818
AC/FLS/PC/SS/SD
DATE: NOV 17 2009

PROJECT No.
PC
E2

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR USED IN ANY MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

VOLTS: 120/240 SINGLE PHASE		PANEL "A"		FEED: EXTERIOR LB							
MAIN: 125 AMP MAIN BKR.		LOCATION: INTERIOR		MOUNTING: FLUSH							
LOAD	WATTS		BRK.	C	A	B	C	BRK.	WATTS		LOAD
	A	B							A	B	
RECEPTS	1440		20	1	1	2	2	35	3216		A/C HVAC UNIT
EXIT LIGHT / EXTERIOR LIGHTS		300	20	1	3	4	4	35	3216		A/C HVAC UNIT
INTERIOR LIGHTS	1440		20	1	5	6					
F.A.C.P.					7	8					
					9	10					
					11	12					
					13	14					
					15	16					
					17	18					
PHASE WATTAGE	2880	300							3216	3216	PHASE WATTAGE
TOTAL WATTS "A" LEG =	6096										TOTAL WATTS A+B =
TOTAL WATTS =	9512										TOTAL WATTS "B" LEG =
											3516
											40 AMPS
											120/240V SINGLE PHASE
											125AMP BUS.

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY NFPA 72 4.4.1.4.2.1

EXIT SIGNS
WHERE REQUIRED, EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. ACCESS TO EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS IN CASES WHERE THE EXIT OR THE PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS. EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN A CORRIDOR IS MORE THAN 100 FT (30 480MM) OR THE LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE SIGN.

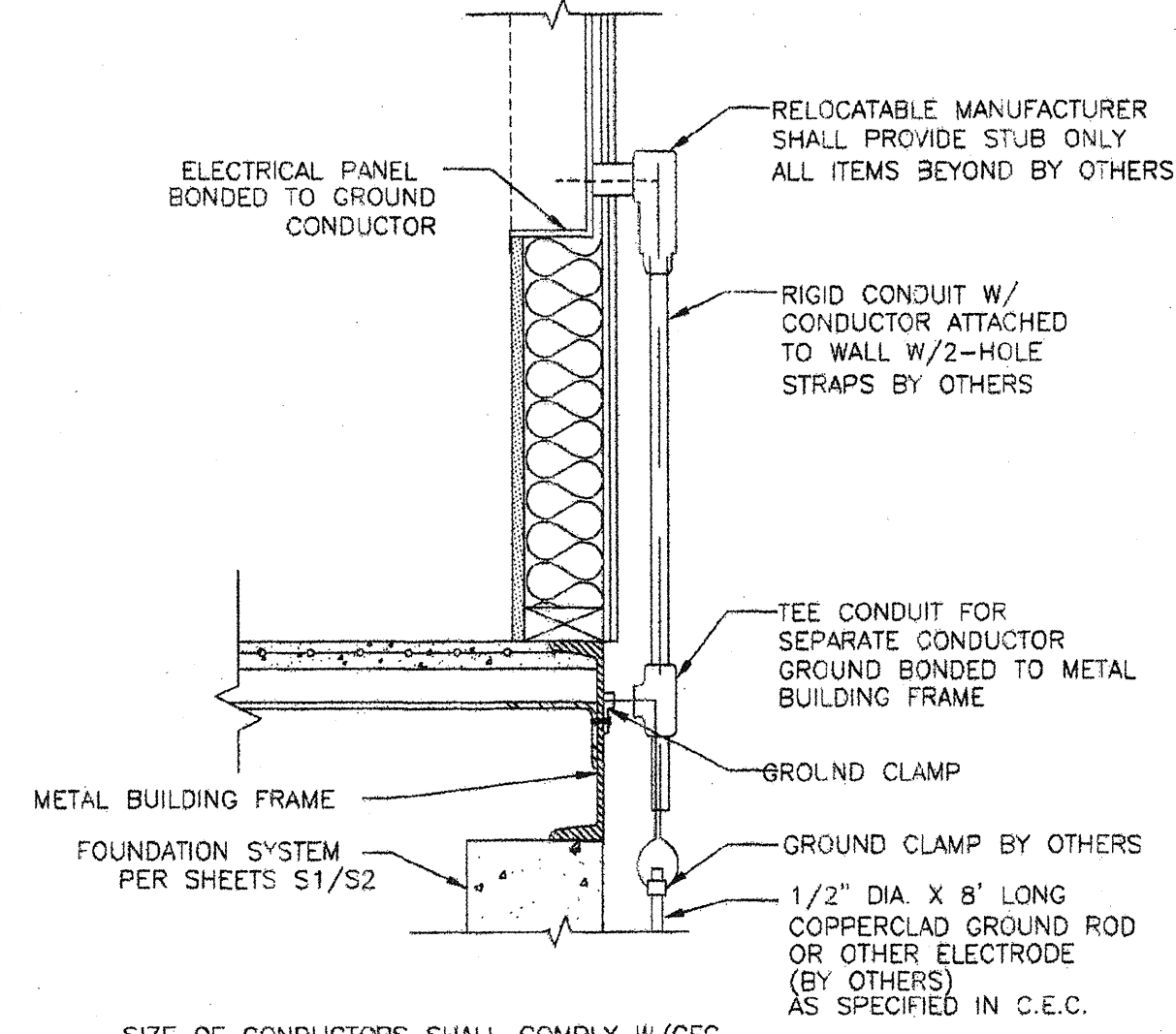
EXCEPTIONS:
1. EXIT SIGNS ARE NOT REQUIRED IN ROOMS OR AREAS THAT REQUIRE ONLY ONE EXIT OR EXIT ACCESS.
2. MAIN EXTERIOR EXIT DOORS OR GATES THAT ARE OBVIOUSLY AND CLEARLY IDENTIFIABLE AS EXITS NEED NOT HAVE EXIT SIGNS WHERE APPROVED BY THE BUILDING OFFICIAL.
3. EXIT SIGNS ARE NOT REQUIRED IN OCCUPANCIES IN GROUP U AND INDIVIDUAL SLEEPING UNITS OR DWELLING UNITS IN GROUP R-1, R-2 OR R3.
4. EXIT SIGNS ARE NOT REQUIRED GROUP 1-3 OCCUPANCIES WHERE INMATES ARE HOUSED OR HELD.
5. IN OCCUPANCIES IN GROUPS A-4 AND A-5, EXIT SIGNS ARE NOT REQUIRED ON THE SEATING SIDE OF VOMITORIES OR OPENINGS INTO SEATING AREAS WHERE EXIT SIGNS ARE PROVIDED IN THE CONCOURSE THAT ARE READILY APPARENT FROM THE VOMITORIES. EGRESS LIGHTING IS PROVIDED TO IDENTIFY EACH VOMITORY OR OPENING WITHIN THE SEATING AREA IN AN EMERGENCY.

MEANS OF EGRESS ILLUMINATION
ILLUMINATION REQUIRED, THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.

EXCEPTIONS:
1. OCCUPANCIES IN GROUP U.
2. AISLE ACCESS WAYS IN GROUP A.
3. DWELLING UNITS AND SLEEPING UNITS IN GROUPS R-1, R-2 AND R-3.
4. SLEEPING UNITS OF GROUP I OCCUPANCIES AND GROUP R-4.

ILLUMINATION EMERGENCY POWER
THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES' ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:
1. AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS.
2. CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
3. EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
4. INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1024.1.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
5. EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1008.1.5, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 2702.



SIZE OF CONDUCTORS SHALL COMPLY W/CEC. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 1' INTO THE SOIL IF AVAILABLE (CEC). ELECTRICAL BOND MODULES TOGETHER W/8 CU @ MODULE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER ISA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

1 GROUNDING DETAIL
E2 1:1/2"=1'-0"

- GENERAL NOTES -

FIRE ALARM SYSTEM

- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE & CA FIRE CODE.
- INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
- JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL AT +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
- COVERS - INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
- THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL REGULATIONS (CBC 907.2.3) AND THE 2002 EDITION OF NFPA 72.
- THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
- ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 65dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH-EVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 7.4.2).
- THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 7.6).
- AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY STATE FIRE MARSHAL. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULULF OR ULUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BY ARRANGED BY OWNER.
IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 100dB OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY PER [CBC].

GROUNDING NOTES:

- GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
- PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU).
- PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

- ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
- LUMINAIRES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE, TITLE 24.
- FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

ELECTRICAL NOTES

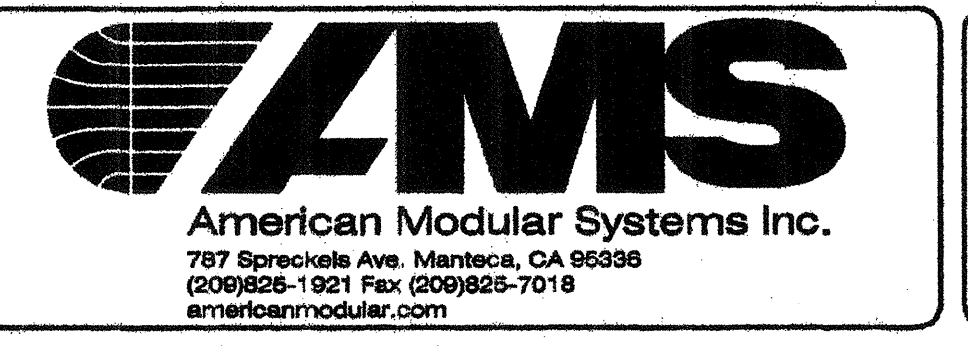
- ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
- MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
- ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING. SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
- 244 FLUORESCENT FIXTURES SHALL BE STEEL FRAME. LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-12, CAROLITE, INC. #C-12 OR FLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE .125 INCH.
- FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "B" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACED FROM INSIDE THE FIXTURE.
- CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
A) CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
B) CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPERABLE HANGING CLIP & APP'D RECEPT.
THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER
FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KW RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING. IF 60 DEGREES C. WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY BE PROVIDED ON THE DRAWING.

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 11/01/09
SCALE: NOTED
DRAWN BY: D.M.
SERIAL NO.:

CUSTOMER:
30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
ELECTRICAL NOTES & DETAILS

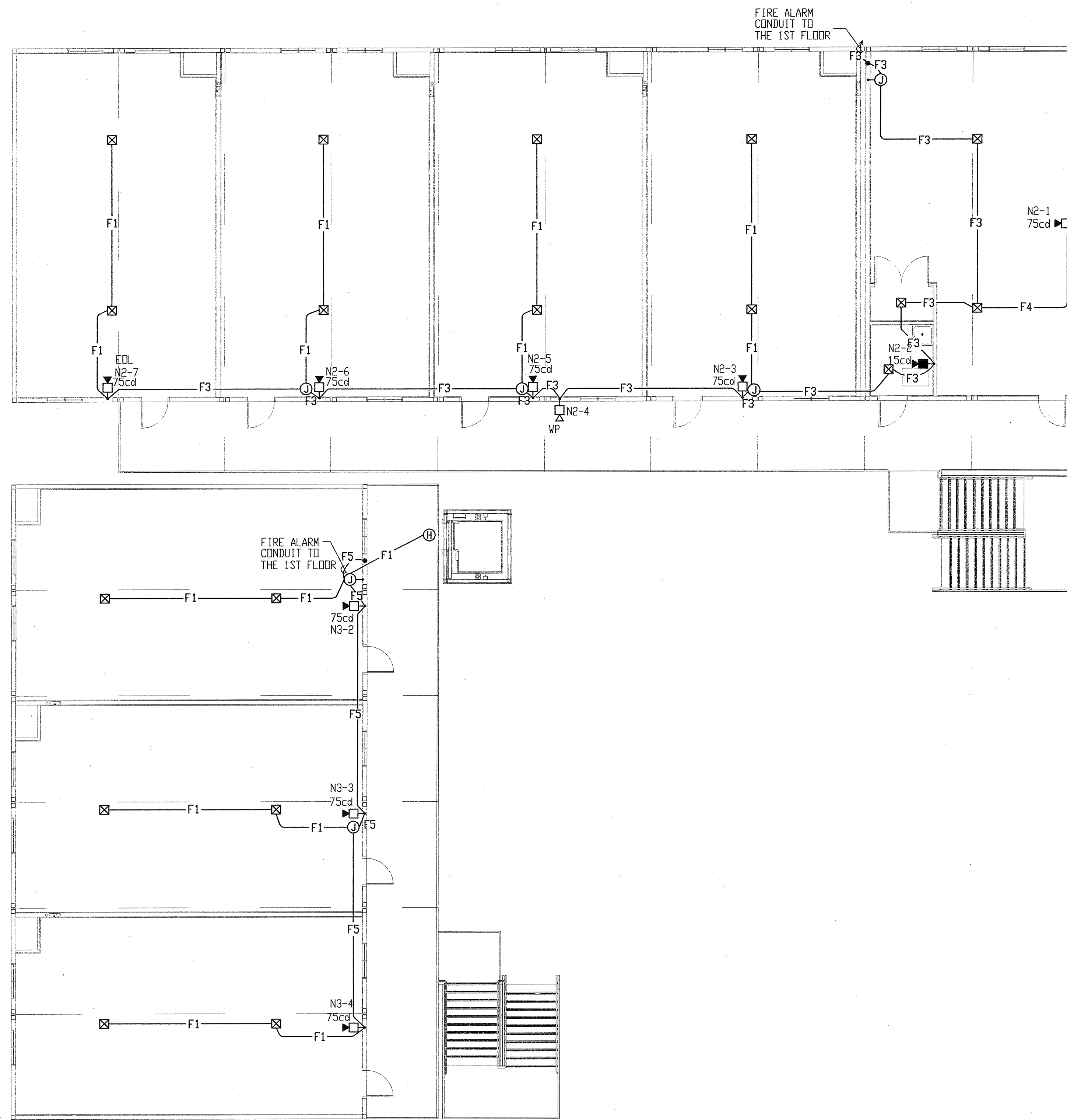


APPROVALS:
No. C12831
Exp. 2-31
STATE OF CALIFORNIA

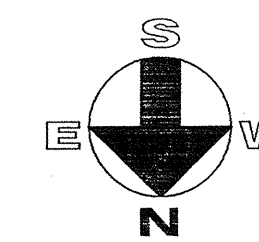
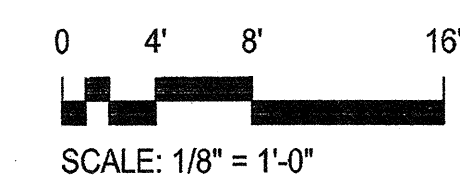
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DIV. OF THE STATE ARCHITECT
APR 03 11 38 28
AC 12 FLS 37-188
DATE JUL 16 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-110864
AC 12 FLS 37-188
DATE 12/19/09

PROJECT NO.
E2



HEAT DETECTORS TO BE OMITTED IN
CORNER SPACE ABOVE CEILING SAME
TO SPRINKLERS ABOVE CEILING SPACE



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

UPPER FLOOR FIRE ALARM PLAN-BUILDING 3000

Professional Engineer
 State of California
 License No. 10000
 Renewal 02/28/13

Professional Engineer
 State of California
 License No. 10000
 Renewal 02/28/13

Professional Engineer
 State of California
 License No. 10000
 Renewal 02/28/13

REVISION	DATE	BY
1	07/15/11	MS
2	07/15/11	MS
3	07/15/11	MS
4	07/15/11	MS
5	07/15/11	MS
6	07/15/11	MS
7	07/15/11	MS
8	07/15/11	MS
9	07/15/11	MS
10	07/15/11	MS

PSWC Group
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN

730 GLENWOOD ROAD, SUITE 103
 SAN BERNARDINO, CA 92408
 TEL: 909.890.3333 FAX: 909.890.3444

MARK KEPPEL ELEMENTARY SCHOOL
 MODERNIZATION
 GLENDALE UNIFIED SCHOOL DISTRICT
 730 GLENWOOD ROAD, GLENDALE, CA 91201

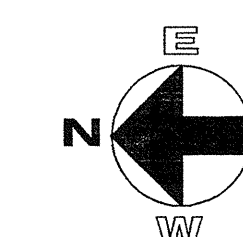
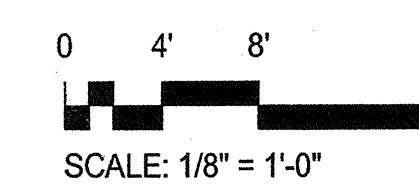
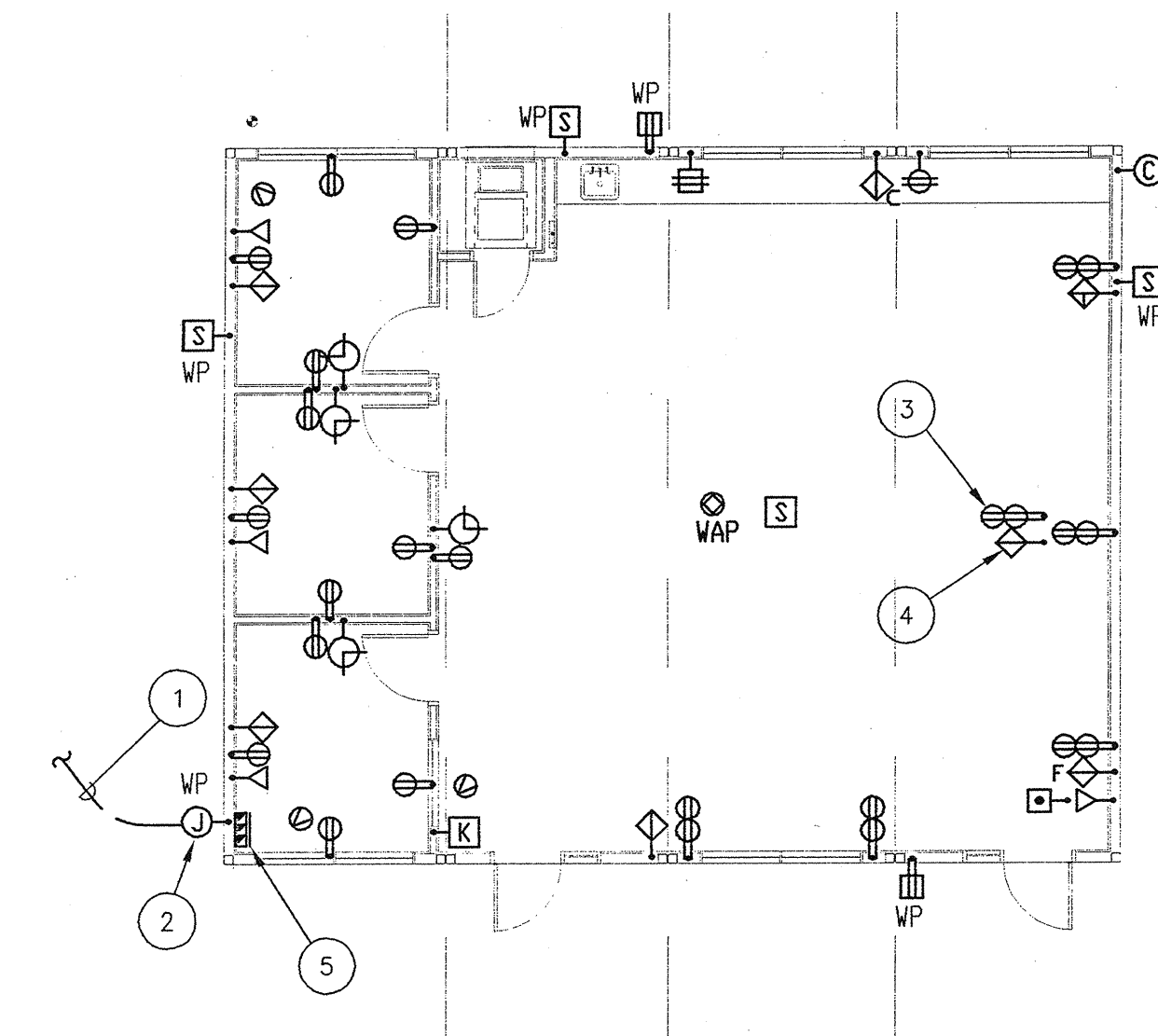
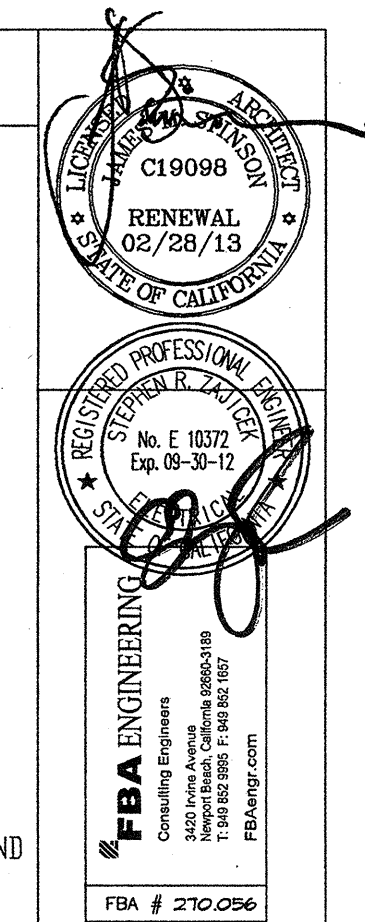
UPPER FLOOR
 FIRE ALARM PLAN
 SCALE: 1/8" = 1'-0"

DATE: 02-10-11
 DRAWN BY: J.M.
 CHECKED BY: J.M.
E-2.2

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PLAN NOTES

- 1 SPECIFIED SIGNAL SYSTEM CONDUITS / CONDUCTORS SHALL ENTER THE BUILDING FOR BELOW GRADE AND RISE SURFACE MOUNTED ON BUILDING EXTERIOR WALL TO SPECIFIED SURFACE MOUNTED JUNCTION BOX AND PENETRATE WALL INTO THE BACK OF RESPECTIVE TERMINAL CABINET. SEE PLAN ES-1 FOR CONTINUATION.
- 2 WEATHERPROOF SIGNAL SYSTEM JUNCTION BOXES. SEE SITE PLAN ON SHEET ES-1 FOR MORE INFORMATION.
- 3 DUPLEX POWER OUTLET FOR PROJECTOR SYSTEM LOCATED BEHIND PROJECTOR MOUNTING ASSEMBLY WALL VAULT ENCLOSURE. VERIFY EXACT MOUNTING LOCATION PRIOR TO ROUGH-IN.
- 4 DATA OUTLET FOR PROJECTOR SYSTEM LOCATED BEHIND PROJECTOR MOUNTING ASSEMBLY WALL VAULT ENCLOSURE. VERIFY EXACT MOUNTING LOCATION PRIOR TO ROUGH-IN.
- 5 PROVIDE 18"x6"x4" DIVIDED THREE (3) COMPARTMENT TERMINAL CABINET. ONE (1) FOR FIRE ALARM, ONE (1) FOR DATA / TELE AND ONE (1) FOR PUBLIC ADDRESS AND INTRUSION DETECTION.



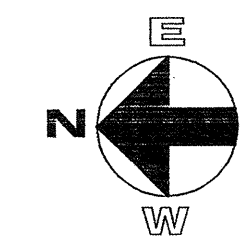
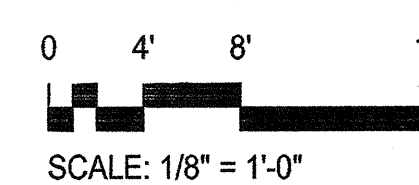
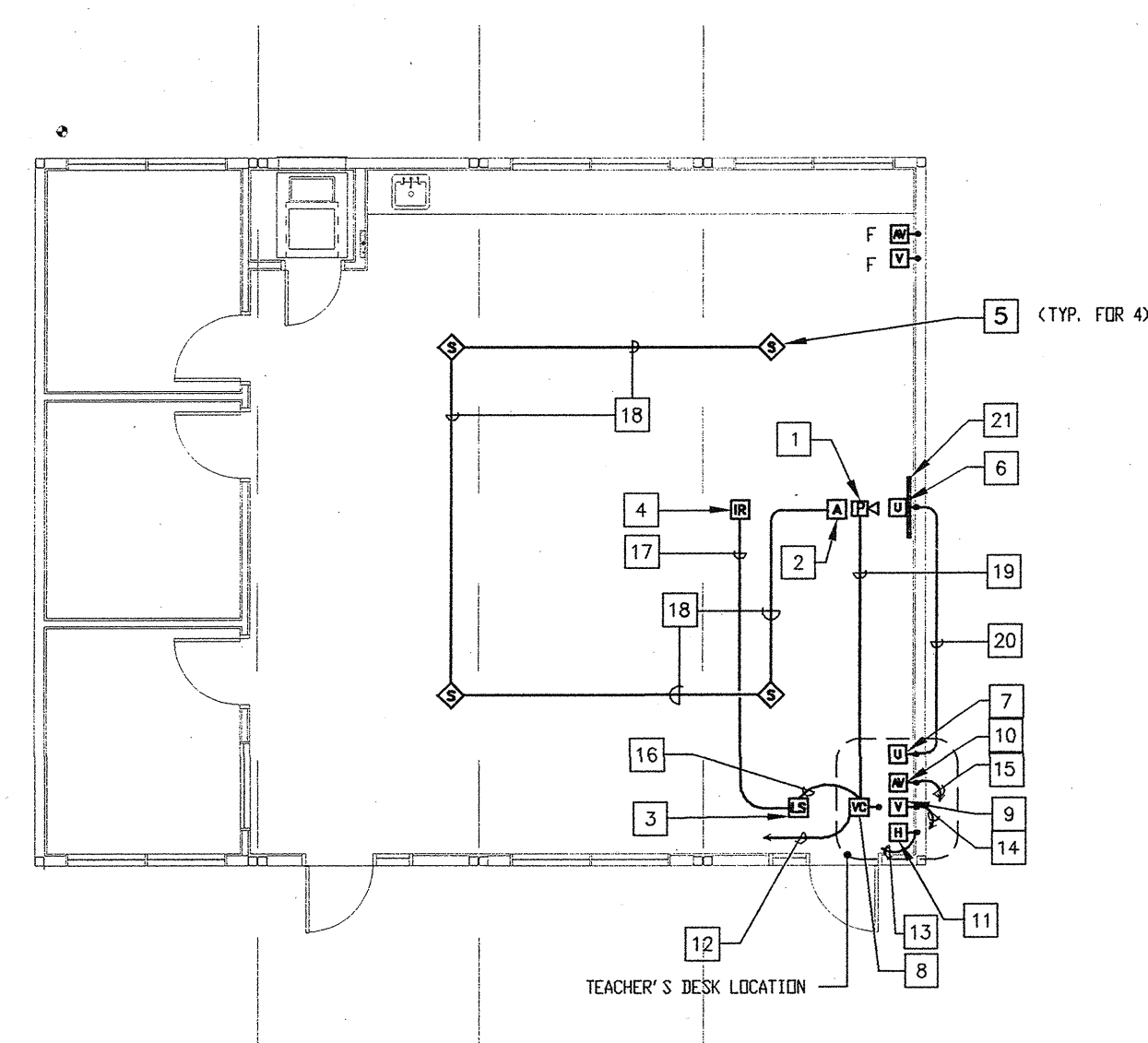
PERFORMING ARTS POWER AND SIGNAL PLAN

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

NOTE:
THE EXACT LOCATION OF DEVICES TO BE CONFIRMED BY DISTRICT REPRESENTATIVE BEFORE PROCEEDING WITH INSTALLATION.

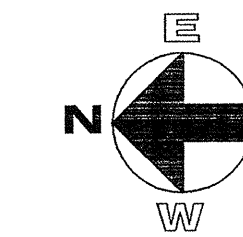
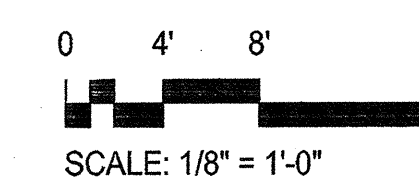
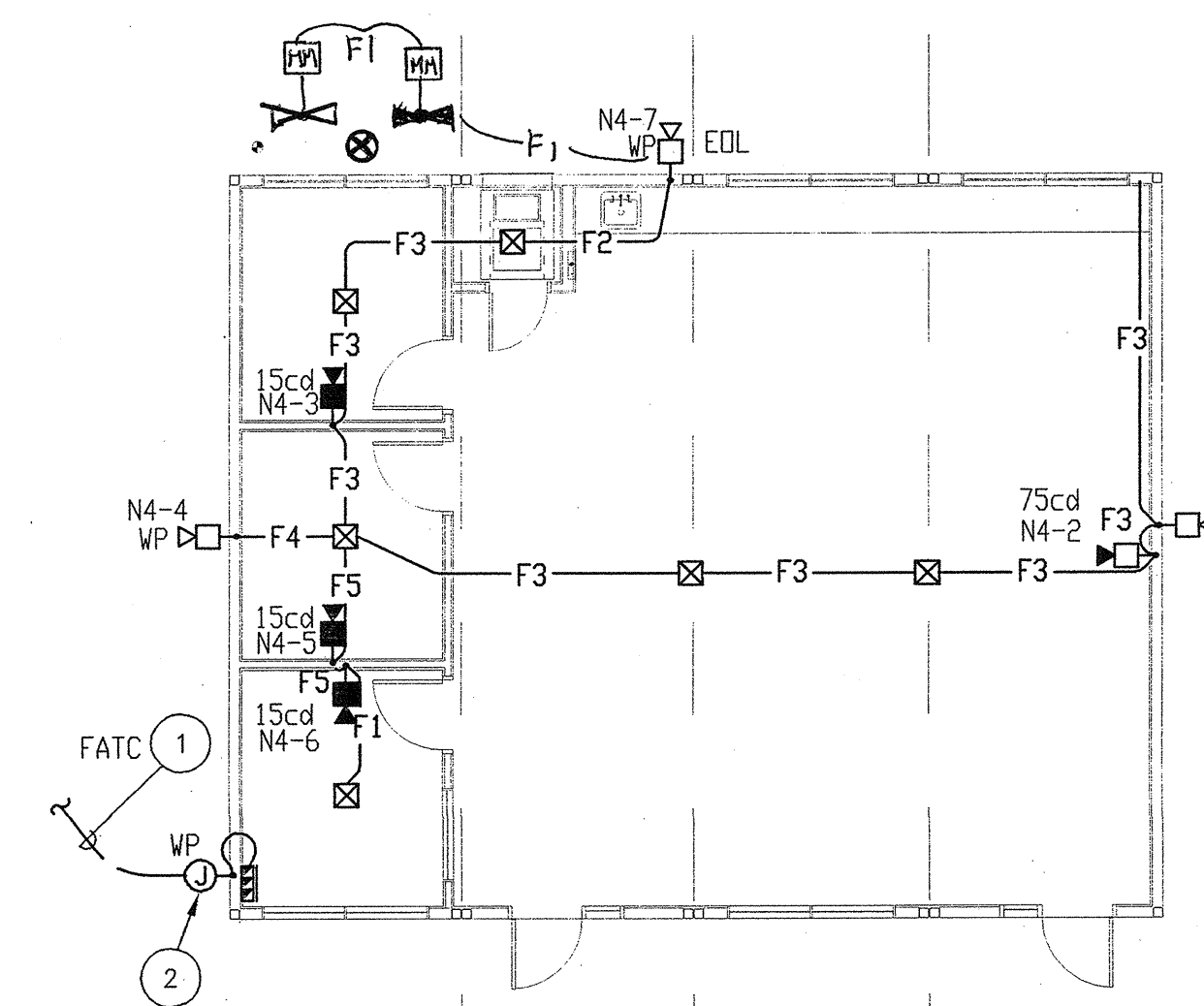
PLAN NOTES:

- | | |
|---|--|
| <ol style="list-style-type: none"> 1 OVERHEAD ULTRA-SHORT THROW PROJECTOR WITH WALL MOUNT ENCLOSURE AND SUPPORT ARM ASSEMBLY. INSTALL AND CONNECT PER MANUFACTURER RECOMMENDATIONS. 2 AUDIOVISUAL SYSTEM AMPLIFIER MOUNTED ABOVE ACCESSIBLE CEILING. INSTALL AND CONNECT PER MANUFACTURER RECOMMENDATIONS. 3 INFRARED WIRELESS MICROPHONE SYSTEM CONTROLLER MOUNTED ABOVE ACCESSIBLE CEILING. INSTALL AND CONNECT PER MANUFACTURER RECOMMENDATIONS. 4 INFRARED WIRELESS MICROPHONE SYSTEM SENSOR SURFACE MOUNTED ON CEILING. INSTALL AND CONNECT PER MANUFACTURER RECOMMENDATIONS. 5 AUDIOVISUAL SYSTEM DROP-IN FLUSH IN CEILING SPEAKER. INSTALL AND CONNECT PER MANUFACTURER RECOMMENDATIONS. 6 USB CONNECTOR OUTLET BOX MOUNTED BEHIND INTERACTIVE WHITE BOARD. 7 USB CONNECTOR OUTLET BOX AT +18" AFF. 8 AUDIOVISUAL SYSTEM MEDIA PRESENTATION CONTROLLER AT +48" AFF. 9 AUDIOVISUAL SYSTEM MEDIA PRESENTATION OUTLET BOX AT 18" WITH COMPUTER VGA AND STEREO AUDIO WALL PLATE CONNECTORS. 10 AUDIOVISUAL SYSTEM MEDIA PRESENTATION OUTLET BOX AT +18 WITH RCA COMPOSITE VIDEO WITH RCA STEREO AUDIO WALL PLATE CONNECTORS. | <ol style="list-style-type: none"> 11 AUDIOVISUAL SYSTEM MEDIA PRESENTATION OUTLET BOX AT +18 WITH HDMI CONNECTOR WALL PLATE. 12 CATEGORY 6 CABLE ROUTED ABOVE ACCESSIBLE CEILING TO BUILDING IDF LOCATION. 13 HDMI CABLE WITH CONNECTORS ROUTED ABOVE ACCESSIBLE CEILING TO PROJECTOR. 14 SBNC CABLE AND TWISTED SHIELDED PAIR WITH CONNECTORS ROUTED ABOVE ACCESSIBLE CEILING TO PROJECTOR. 15 S-VIDEO CABLE AND RCA2 AUDIO CABLE WITH CONNECTORS ROUTED ABOVE ACCESSIBLE CEILING TO PROJECTOR. 16 WIRELESS MICROPHONE SYSTEM AUDIO INPUT INTERFACE CABLE ROUTED ABOVE ACCESSIBLE CEILING. 17 WIRELESS MICROPHONE SYSTEM REMOTE SENSOR CABLE ROUTED ABOVE ACCESSIBLE CEILING. 18 SPEAKER CABLE ROUTED ABOVE ACCESSIBLE CEILING. 19 RS-232 CABLE WITH CONNECTORS ROUTED ABOVE ACCESSIBLE CEILING TO PROJECTOR. 20 USB CABLE IN 1" CONDUIT ROUTED CONCEALED IN WALL. 21 WALL MOUNTED INTERACTIVE WHITE BOARD. |
|---|--|



PERFORMING ARTS AUDIO VISUAL PLAN-BUILDING 2000

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



PERFORMING ARTS FIRE ALARM PLAN-BUILDING 2000

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

HEAT DETECTORS TO BE OMITTED IN CORNER SPACES ABOVE CEILING DUE TO SPRINKLERS ABOVE CEILING SPACE

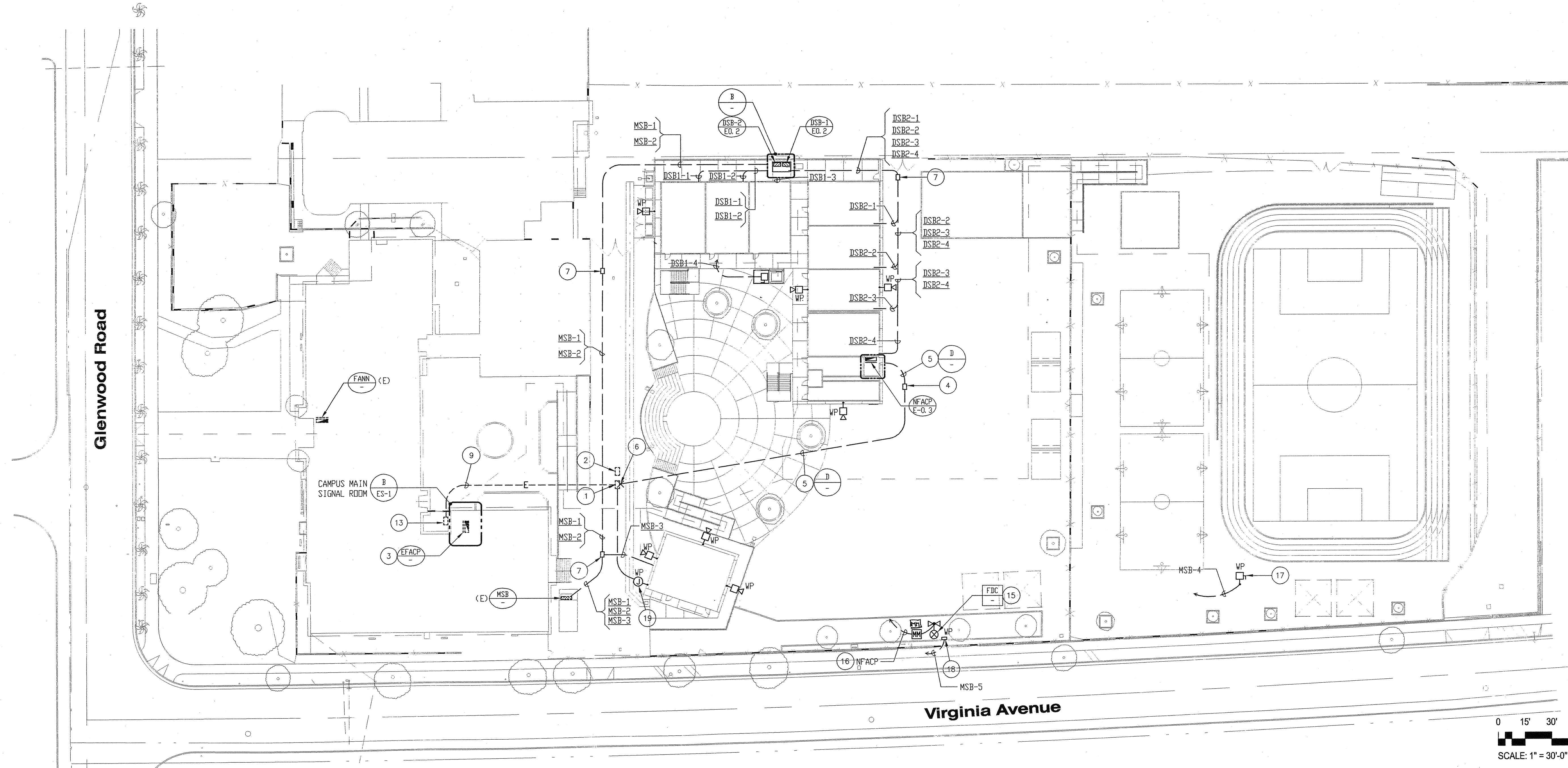
**MARK KEPPEL ELEMENTARY SCHOOL
MODERNIZATION
GLENDALE UNIFIED SCHOOL DISTRICT
730 GLENWOOD ROAD, GLENDALE, CA 91201**

**PERFORMING ARTS
ELECTRICAL PLAN**

JOB NO. 1073
DRAWN BY J.N.
DATE 02-10-11

E-3.1

C:\Users\j\Documents\1073\1073.dwg, 02/10/11, 11:18 AM
 Plot by J.N.

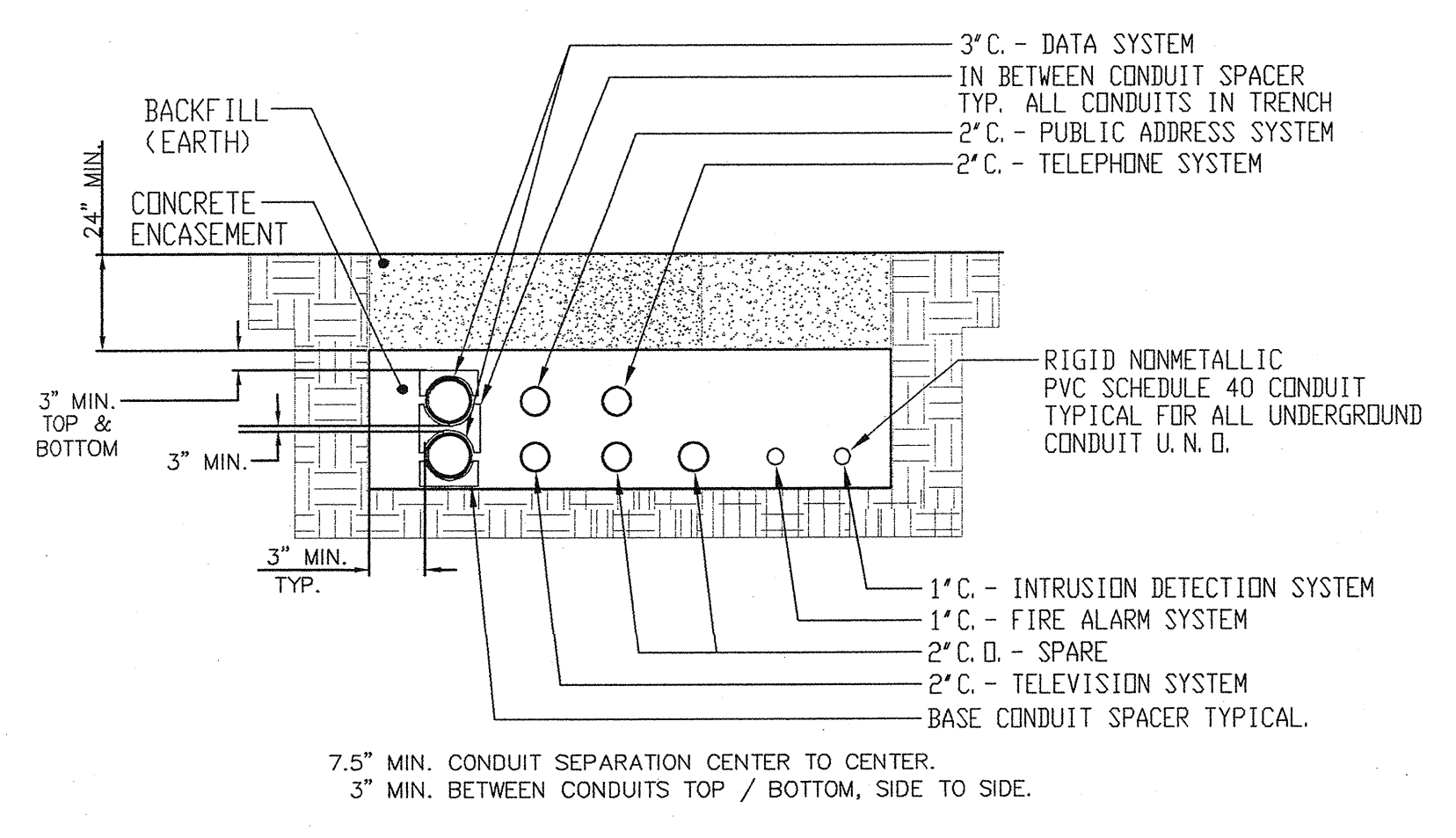


- ### PLAN NOTES
- EXISTING SIGNAL PULL BOX TO REMAIN.
 - EXISTING POWER PULL BOX TO REMAIN.
 - EXISTING FIRE ALARM PANEL TO REMAIN.
 - PROVIDE 2' x 3' x 30" D., FLUSH IN GRADE, CONCRETE PULL BOX WITH BOLT-DOWN TRAFFIC RATED COVER, ENGRAVE "SIGNAL".
 - PROVIDE THE FOLLOWING UNDERGROUND SIGNAL SYSTEM CONDUIT WITH SPECIFIED SIGNAL SYSTEM CONDUCTORS:
 - (2) 3" C. DATA SYSTEM
 - (1) 2" C. PUBLIC ADDRESS SYSTEM
 - (1) 2" C. TELEPHONE SYSTEM
 - (1) 2" C. TELEVISION SYSTEM
 - (1) 1" C. INTURSION DETECTION SYSTEM
 - (1) 1" C. FIRE ALARM SYSTEM
 - (2) 2" C. D. SPARE
 - INTERCEPT EXISTING SIGNAL SYSTEM CONDUIT AND CONDUCTORS AT EXISTING PULL BOX AND EXTEND AS INDICATED.
 - PROVIDE 3' x 5' x 3" D. FLUSH IN GRADE CONCRETE PULL BOX WITH BOLT-DOWN TRAFFIC RATED COVER, ENGRAVE "HIGH VOLTAGE".
 - EXISTING SURFACE MOUNTED SIGNAL SYSTEM PULL BOX TO REMAIN.
 - UTILIZE THE FOLLOWING EXISTING UNDERGROUND SIGNAL SYSTEM CONDUIT AND PROVIDE NEW SPECIFIED SIGNAL SYSTEM CONDUCTORS:
 - (2) 3" C. DATA SYSTEM
 - (1) 2" C. PUBLIC ADDRESS SYSTEM
 - (1) 2" C. TELEPHONE SYSTEM
 - (1) 2" C. TELEVISION SYSTEM
 - (1) 1" C. INTURSION DETECTION SYSTEM
 - (1) 1" C. FIRE ALARM SYSTEM
 - PROVIDE 6" THICK REINFORCED CONCRETE PAD, 6" BELOW GRADE AND 4" ABOVE GRADE. PAD SHALL EXTEND MINIMUM 6' AT THE SIDES AND REAR AND 30' AT FRONT OF THE SWITCHBOARD.
 - PROVIDE GROUND ROD PER SINGLE LINE DIAGRAM ON SHEET E-0.2.
 - PROVIDE GROUNDING ELECTRODE CONDUCTOR PER SINGLE LINE DIAGRAM ON SHEET E-0.2.
 - EXISTING WALL MOUNTED SIGNAL SYSTEM PULL BOX TO REMAIN.
 - SEE ELEVATION DETAIL "C" ON THIS SHEET.
 - DOUBLE DETECTOR VALVE ASSEMBLY. SEE CIVIL PLANS FOR MORE INFORMATION.
 - PROVIDE 3/4" C-2#16 TSP.
 - PROVIDE POWER TO IRRIGATION PUMP.
 - PROVIDE POWER TO IRRIGATION CONTROLLER.
 - PROVIDE (4) 6' x 6' x 4" D. WEATHREPROOF PULL BOX AT THE BACK OF THE BUILDING FOR FIRE ALARM, TELEPHONE/PA, DATA AND INTURSION SYSTEM.

FBA ENGINEERING
 2310 29th St.
 San Bernardino, CA 92408
 TEL: 909.890.2444
 FAX: 909.890.2444

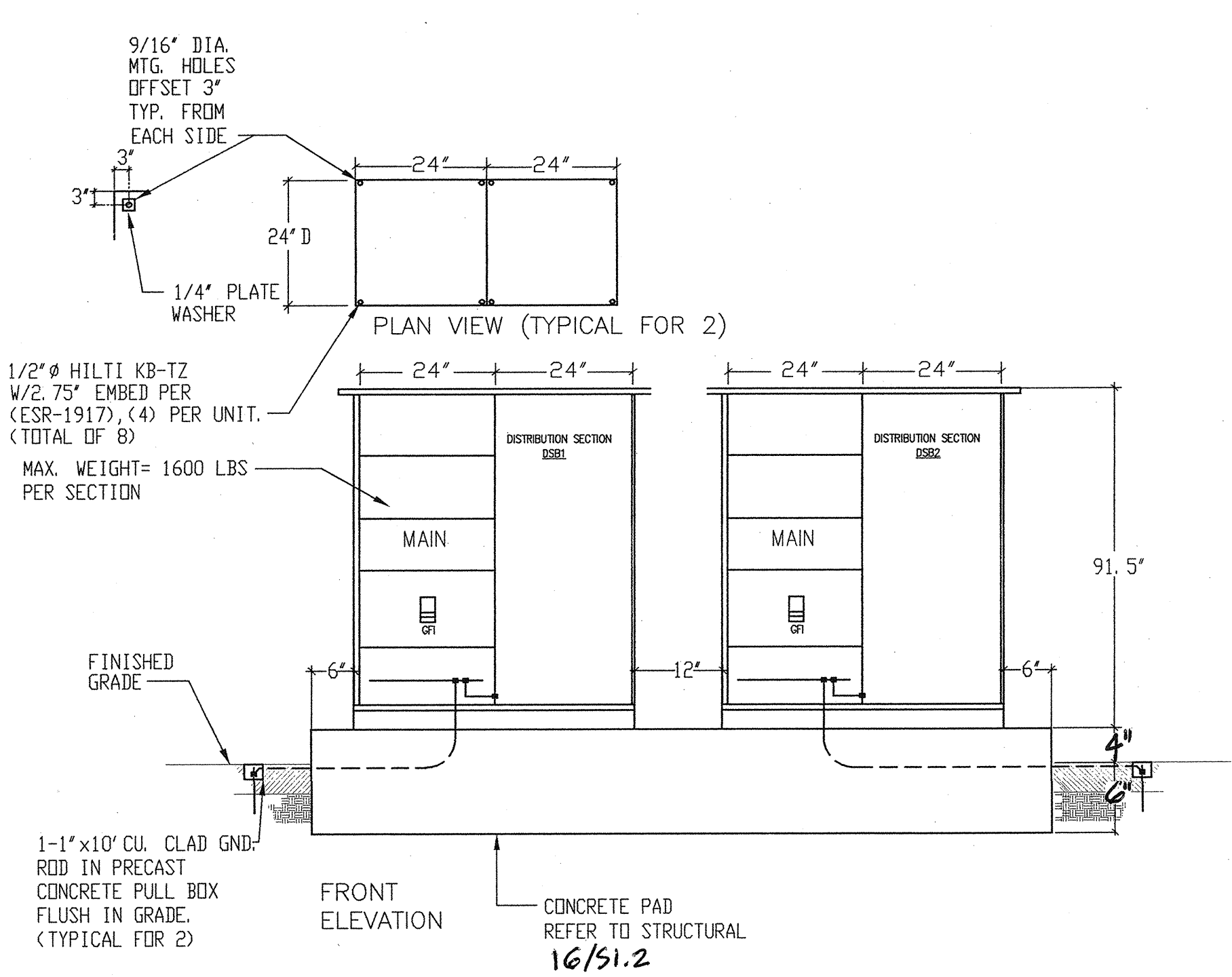
SITE ELECTRICAL PLAN

SCALE: 1" = 30'-0" **A**



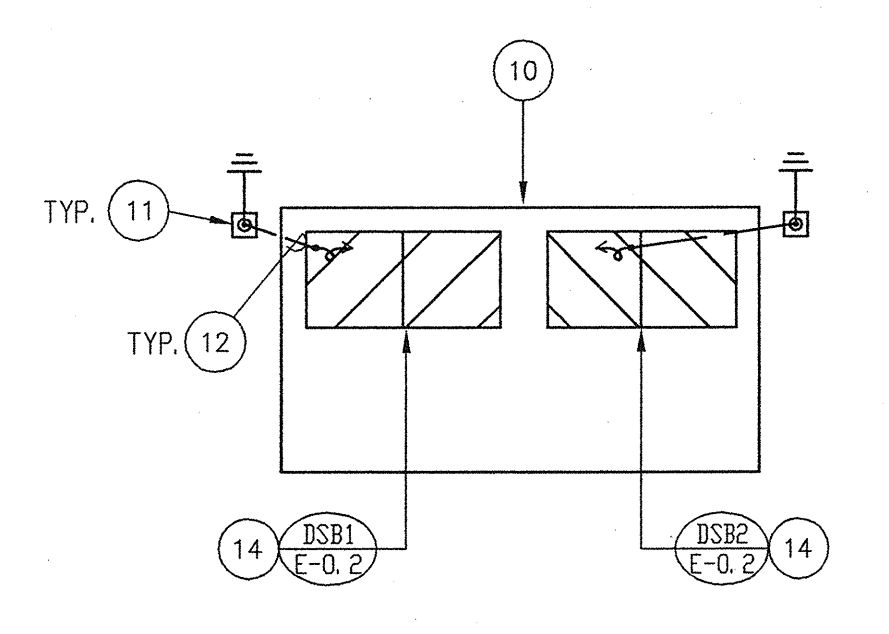
UNDERGROUND SIGNAL SYSTEM CONDUIT BANK DETAIL

SCALE: N.T.S. **D**



DISTRIBUTION SWITCHBOARD ELEVATION DETAIL

SCALE: N.T.S. **C**



ENLARGED SWITCHBOARD DSB1 & DSB2 PLAN

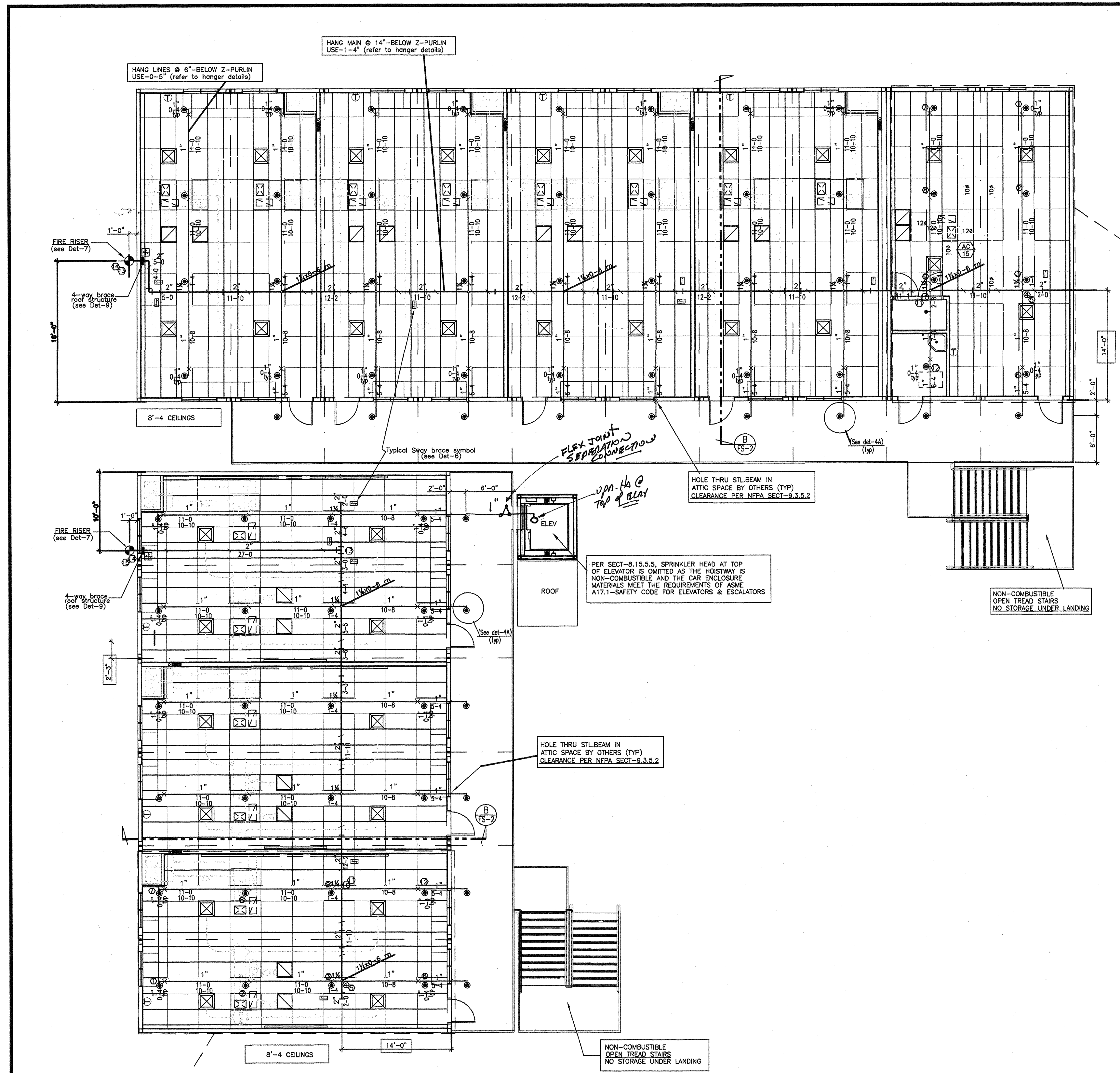
SCALE: 1/4" = 1'-0" **B**

PSWC Group
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 SAN BERNARDINO, CA 92408
 TEL: 909.890.2333 FAX: 909.890.2444

**MARK KEPPEL ELEMENTARY SCHOOL
 MODERNIZATION**
 GLENDALE UNIFIED SCHOOL DISTRICT
 750 GLENWOOD ROAD, GLENDALE, CA 91201

JOB NO. P973
 DRAWN BY J.K.
 DATE 02-10-11

SITE ELECTRICAL PLAN
 SCALE: 1" = 30'-0"
ES-1



HYDRAULIC - SYSTEM
FOR DESIGN & PROTECTIVE
AUTOMATIC SPRINKLER SYSTEM

LOCATION: SEE PLAN MSA-1

RANGE OF DESIGN: LIGHT HAZARD

1. DESIGN AREA OF PROTECTION: 960

SYSTEM DEMAND:

1. GPM DEMAND: 139.2

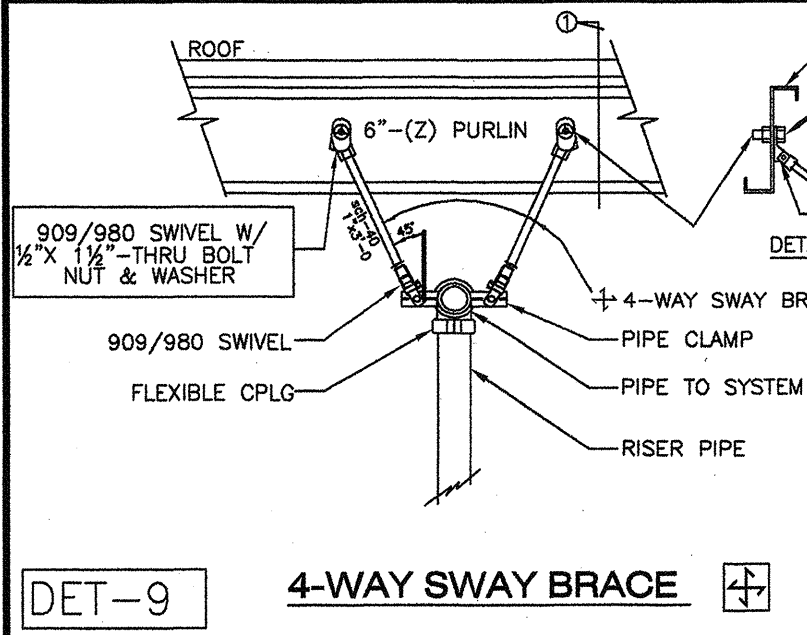
2. DESIGN PRESSURE AT THE BASE OF THE RISER: 26.8

REDUCED AREA PER 2002 NFPA-13, SECTION 11.2.3.2.1.1

CALCULATION PLATE

UPPER FLOOR FIRE SPRINKLER PLAN
1/8"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 11 3 8 2 8
AC: FIS ST 1155
DATE: JUL 0 6 2011

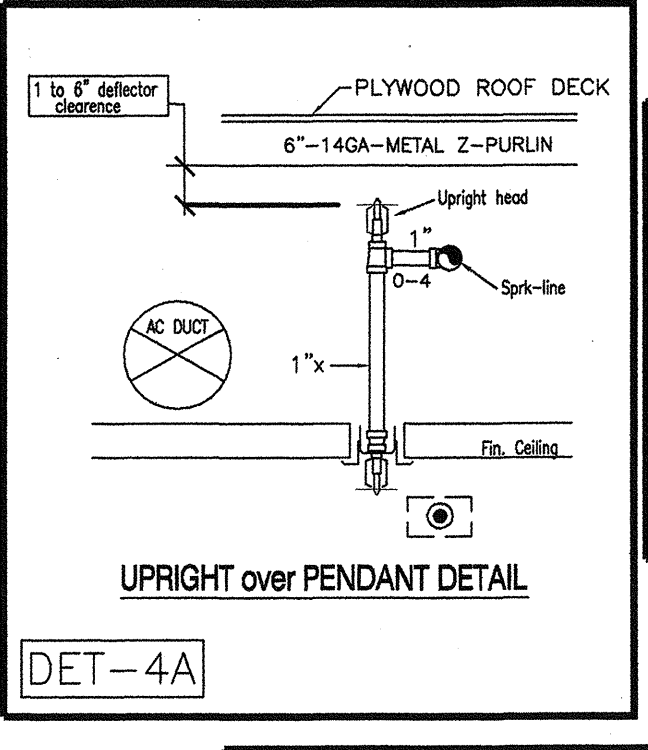
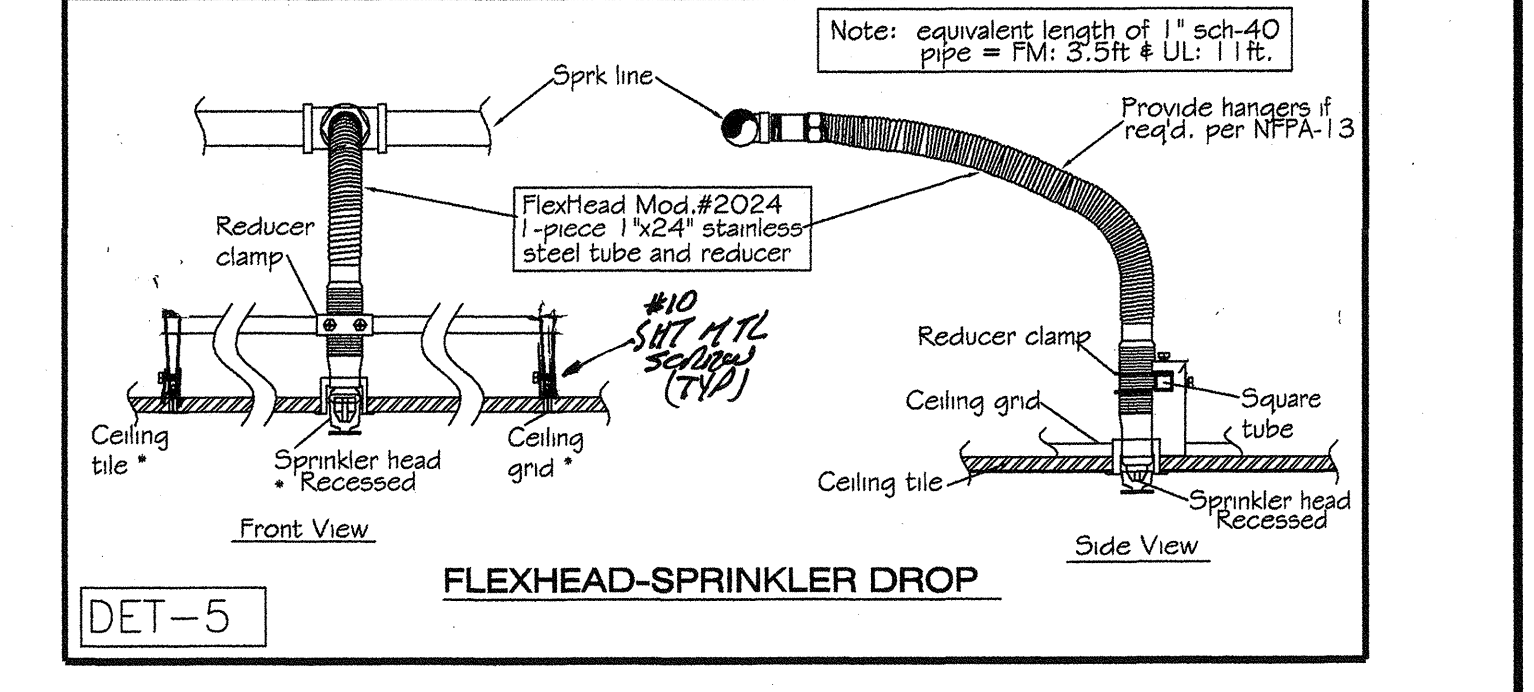
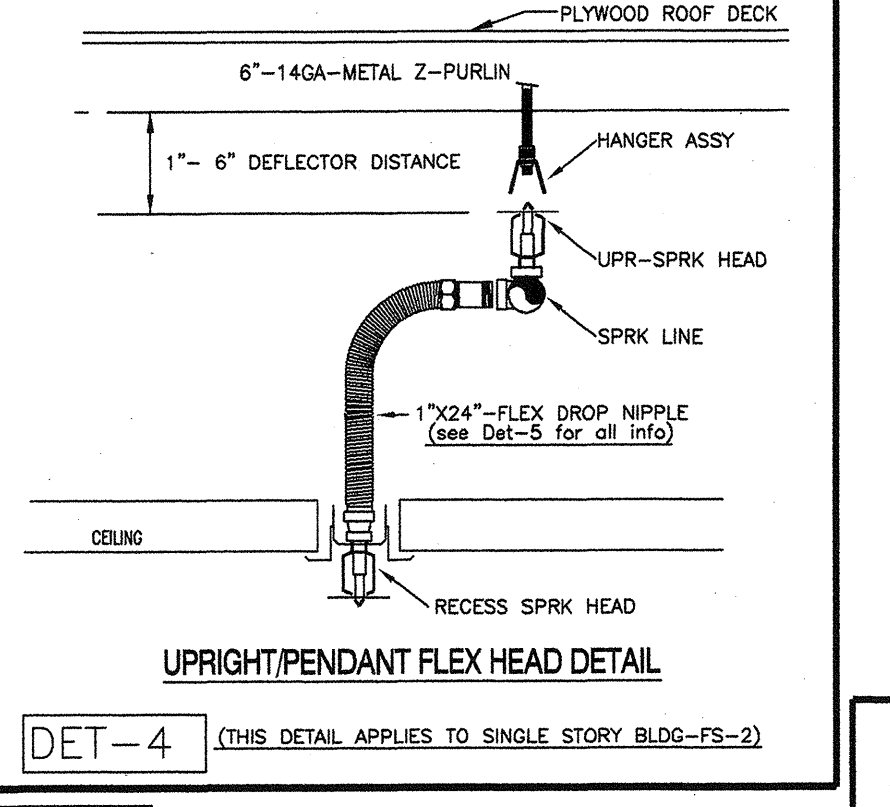
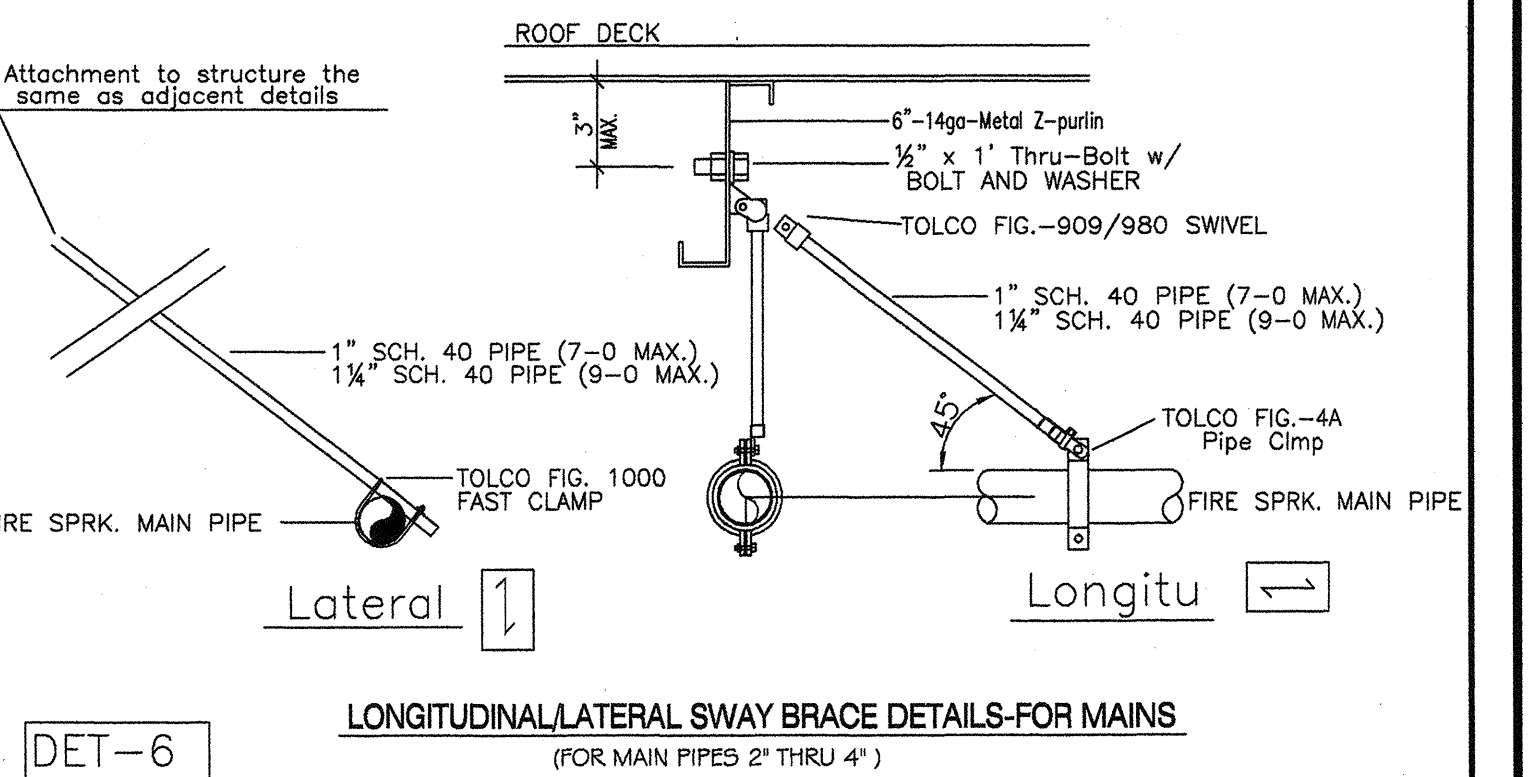


EARTHQUAKE BRACE CALCULATION
ZONE OF INFLUENCE CALCULATION
(USED IN LIEU OF TABLE 6-4.3)

PIPE SIZE, LENGTH	1/2 WEIGHT OF QUANTITY SHOWN	COMBINED WEIGHT OF BRACE UNDER STIFF ALL PIPE IN ZONE	ADJUSTED ASSIGNED LOAD
2" (4.22) x 45'	95 lbs.	223 lbs.	223 lbs.
1" (2.03) x 45'	62 lbs.		
1" (2.03) x 60'			

EARTHQUAKE BRACE CALCULATION:
ASSIGNED LOAD: ADJUSTED ZONE OF INFLUENCE CALCULATION ABOVE
SPRINKLER MAIN SIZE: BRACE SPACING: ADJUSTED ASSIGNED LOAD
BRACE SPACING: TABLE 6-4.5.8
BRACE PIPE SIZE: MAX LENGTH: MAX BRACE ANGLE: MAX HORIZ. LOAD
FASTENER SIZE: TABLE 6-4.5.9
FASTENER SIZE/TYP: BRACE ANGLE (DIAGRAM): MAX ASSIGNED LOAD
1/2" x 1" THRU-BOLT: 90° FROM VERT. (C) 1200 lbs.

SUMMARY RESULT:
ASSIGNED LOAD OF 223 lbs. IS LESS THAN THE MAXIMUM ASSIGNED LOAD OF THE PROPOSED ATTACHMENT METHOD.

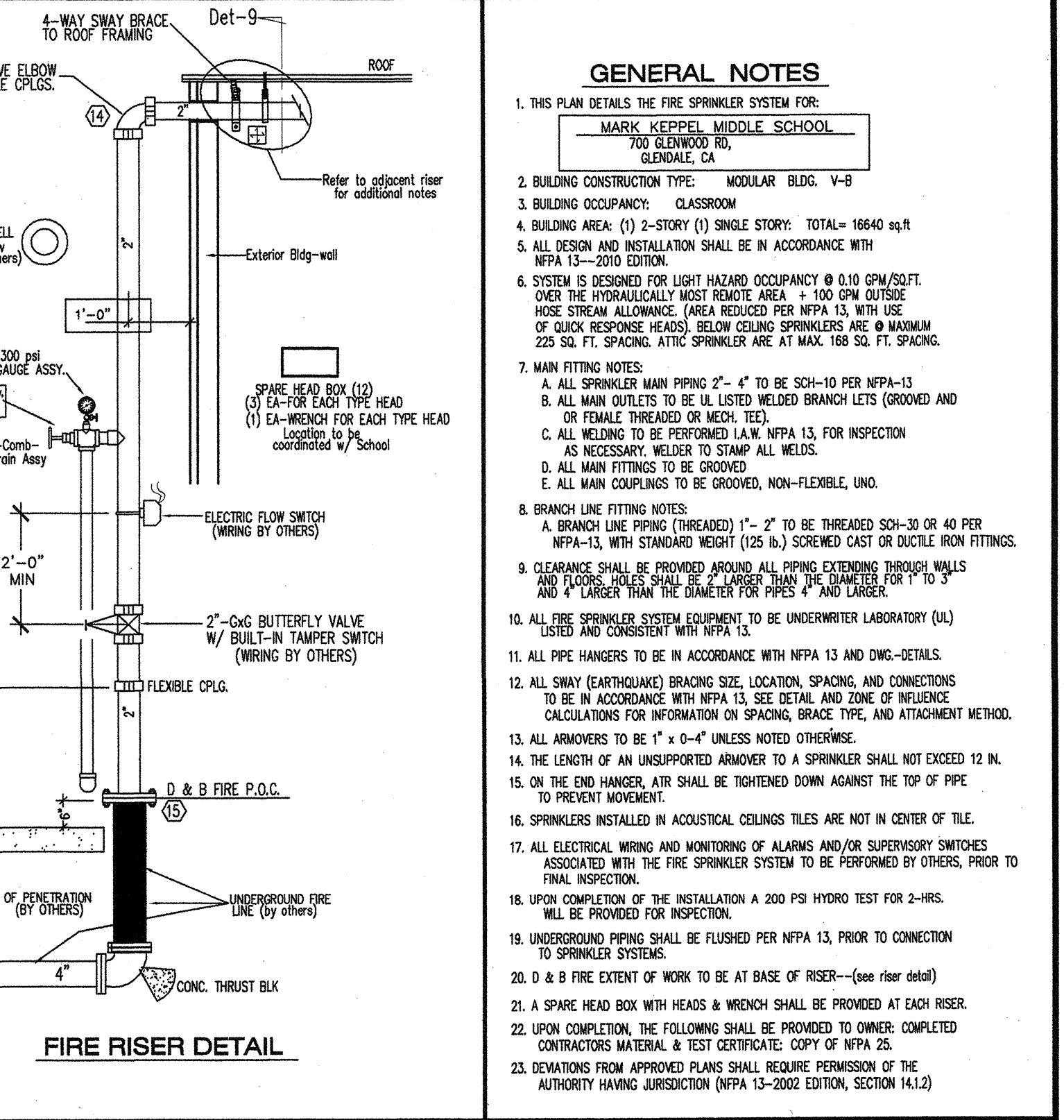
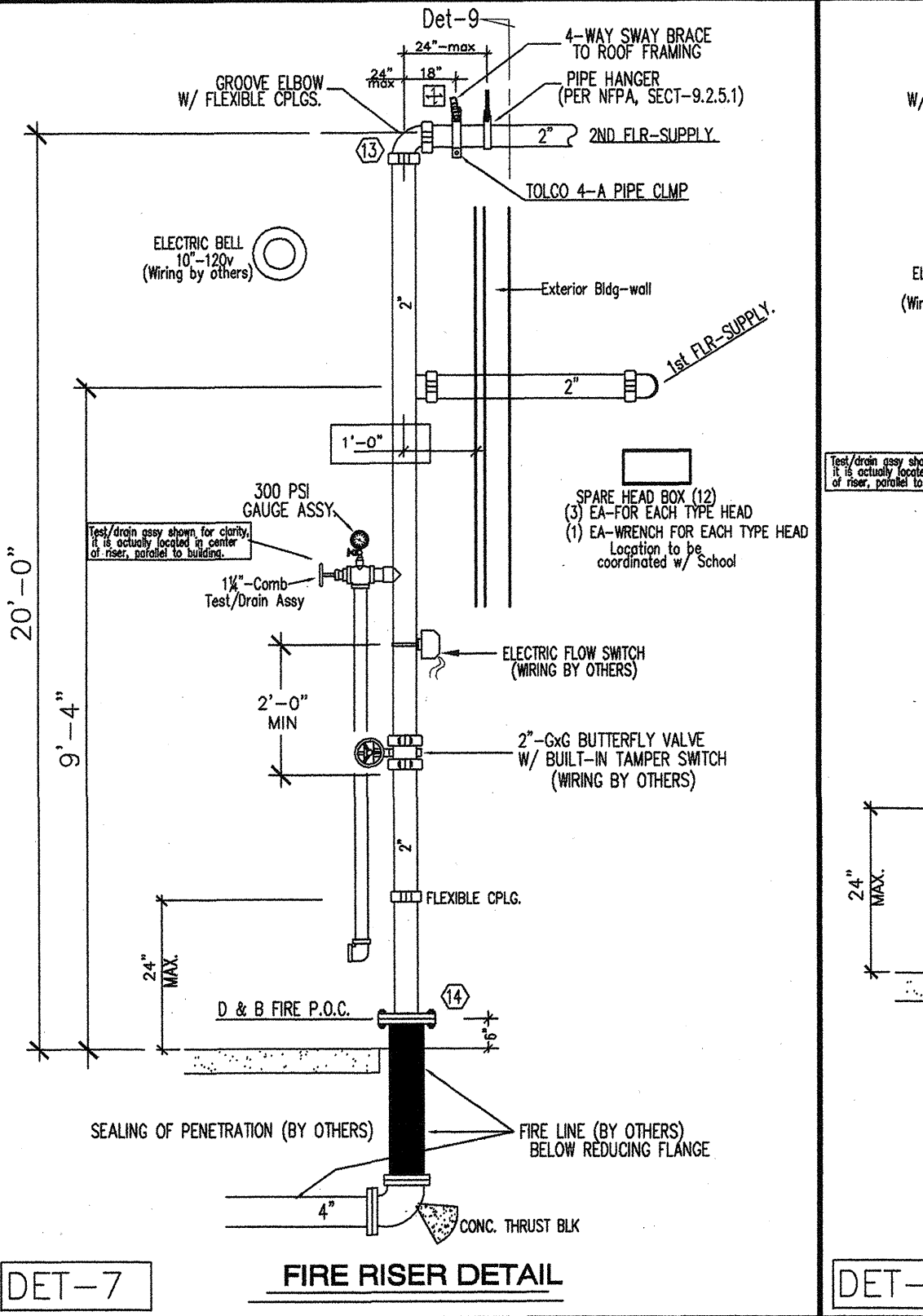
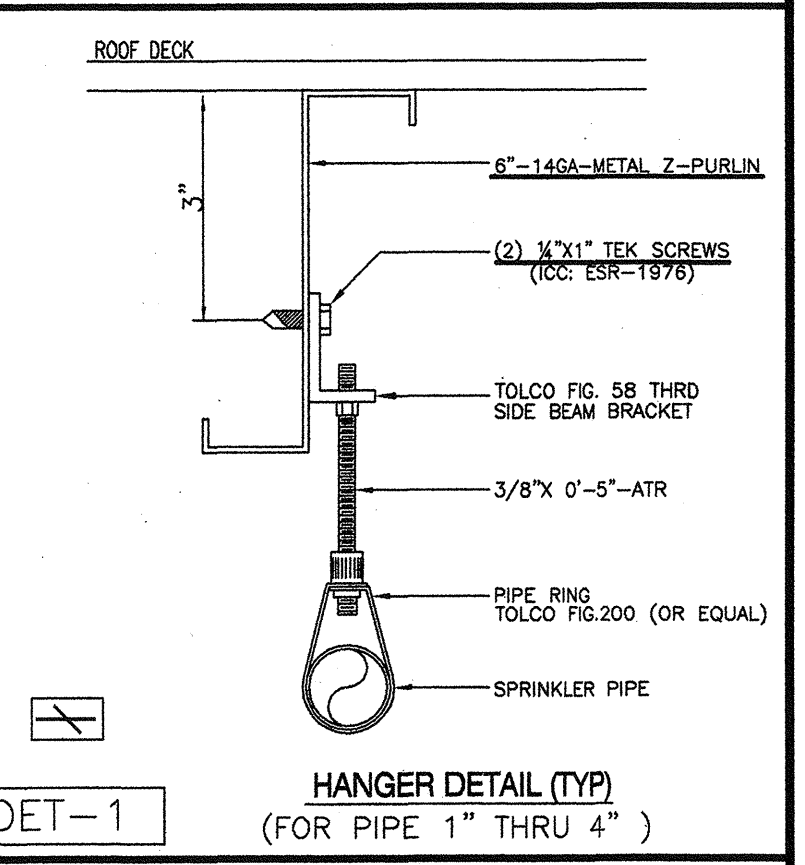
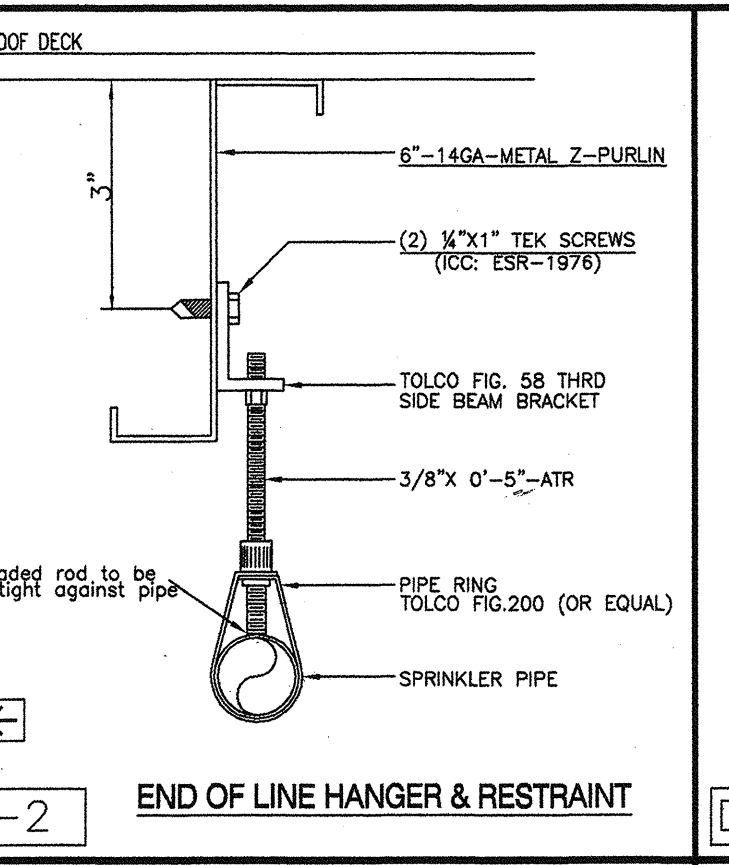


HANGER/RESTRAIN NOTE

- LATERAL BRACING IS NOT REQUIRED ON PIPES INDIVIDUALLY SUPPORTED BY RISER LESS THAN 8' LONG PER 2002 NFPA-13, SECTION 11.2.3.2.1.1
- THE END OF LINE HANGER DETAIL # 2 ON THIS PLAN WILL RESTRAIN END SPRINKLER AGAINST EXCESSIVE THERMAL MOVEMENT, AND LATERAL MOVEMENT IS LIMITED BY THE SHORT RISER (IF OR LESS) WHICH MEETS THE ABOVE EXCEPTION FOR LATERAL BRACING. NO ADDITIONAL BRACING OR SPLAY WIRE IS REQUIRED ON BRANCH LINES.

FOREMAN NOTES

- FOR PRECAUTIONARY MEASURES, TIGHTEN ALL RISER BOWNS INTO SPRING AND INSTALL LATERAL BRACES PER UNIT AS REQUIRED TO PROTECT THE UNITS FROM DAMAGE WHEN THEY ARE RELEASED TO THEIR DESTINATION.
- USE WRENCH FOR EACH TYPE HEAD LOCATION AS NOTED.



- GENERAL NOTES**
- THIS PLAN DETAILS THE FIRE SPRINKLER SYSTEM FOR: MARK KEPPEL MIDDLE SCHOOL, 700 GLENWOOD RD., GLENDALE, CA.
 - BUILDING CONSTRUCTION TYPE: MODULAR BLDG. V-B
 - BUILDING OCCUPANCY: CLASSROOM
 - BUILDING AREA: (1) 3-STORY (1) BRIDGE STORE: TOTAL=16640 sq ft
 - ALL DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13-2010 EDITION
 - SYSTEM IS DESIGNED FOR LIGHT HAZARD OCCUPANCY @ 0.10 GPM/FT. OVER THE HYDRAULICALLY MOST REMOTE AREA. +100 GPM OUTSIDE HOSE STREAM ALLOWANCE (AREA REDUCED) FOR NFPA 13 WITH USE OF QUICK RESPONSE HEADS. BELOW CEILING SPRINKLERS ARE @ MAXIMUM 22.5 SQ. FT. SPACING. ATIC SPRINKLER ARE AT MAX. 100 SQ. FT. SPACING.
 - MAIN FITTING NOTES:
 - ALL SPRINKLER MAIN PIPING 2" - 4" TO BE SCH-40 PER NFPA-13
 - ALL MAIN OUTLETS TO BE UL LISTED WELDED BRANCH LETS (BROOKED AND OR FEMALE THREADED OR MESH. ETC)
 - ALL WELDING TO BE PERFORMED IAW NFPA 13, FOR INSPECTION AS NECESSARY. WELDER TO STAMP ALL WELDS.
 - ALL MAIN FITTINGS TO BE GROOVED
 - ALL MAIN COUPLINGS TO BE GROOVED, NON-FLEXIBLE, LIND.
 - BRANCH LINE FITTING NOTES:
 - BRANCH LINE SPRING (THREADED) 1" - 2" TO BE THREADED SCH-30 OR 40 PER NFPA-13, WITH STANDARD HEIGHT (25 IN.) SCREWED CAST OR DUCTILE IRON FITTINGS.
 - COUPLERS SHALL BE GROOVED APPROX. ALL SPRING EXCEPT THROOP, WELLS AND OTHERS THAT ARE SPECIFIED FOR USE IN THIS PLAN.
 - ALL PIPING HANGERS TO BE IN ACCORDANCE WITH NFPA 13 AND UIC-DETAILS.
 - ALL SWAY (EARTHQUAKE) BRACING SIZE, LOCATION, SPACING, AND CONNECTIONS TO BE IN ACCORDANCE WITH NFPA 13, SEE DETAIL AND ZONE OF INFLUENCE CALCULATIONS FOR INFORMATION ON SPACING, BRACE TYPE, AND ATTACHMENT METHOD.
 - ALL ANCHORS TO BE 1" x 4" UNLESS NOTED OTHERWISE.
 - THE LENGTH OF AN UNSUPPORTED ANCHOR TO A SPRINKLER SHALL NOT EXCEED 12 IN. TO PREVENT MOVEMENT.
 - ON THE END HANGER, ATR SHALL BE TIGHTENED DOWN AGAINST THE TOP OF PIPE TO PREVENT MOVEMENT.
 - SPRINKLERS INSTALLED IN ACoustICAL CEILING TILES ARE IN COVER OF TILE.
 - ALL ELECTRICAL WIRING AND MONITORING OF ALARMS AND/OR SUPERVISORY SWITCHES ASSOCIATED WITH THE FIRE SPRINKLER SYSTEM TO BE PERFORMED BY OTHERS, PRIOR TO FINAL INSPECTION.
 - UPON COMPLETION THE FOLLOWING SHALL BE PROVIDED TO OWNER: COMPLETED CONTRACTORS MANUAL & TEST CERTIFICATE COPY OF NFPA 25.
 - DEVIATIONS FROM APPROVED PLANS SHALL REQUIRE PERMISSION OF THE AUTHORITY HAVING JURISDICTION (NFPA 13-2002 EDITION, SECTION 4.12)

WATER FLOW INFO.

STATIC: 86.0 PSI
RESIDUAL: 55.0 PSI
FLOW: 2060 GPM

INFORMATION FROM:
GLENDALE FIRE DEPT 2-14-11

- HANGER SYMBOL LEGEND**
- #1 U-HOOK
 - #2 SIDE BEAM BRACKET (1" ATR A UP)
 - #21 THREADED SIDE BEAM BRACKET
 - #3 CONCRETE SHOT & PIN
 - #4 COACH SCREW ROD
 - #5 CONCRETE DROP-IN ANCHOR
 - #6 TOP BEAM CLAP W/ RETAINER STRAP
 - #11 NUTS, WASHERS THRU DRILLED HOLES

- UNDERGROUND FIRE MAIN SYMBOLS**
- NEW UNDERGROUND PIPING
 - EXISTING UNDERGROUND PIPING (PM)
 - POST INDICATOR VALVE (PIV)
 - KEY VALVE
 - FIRE DEPT. CONNECTION (FDC)
 - FIRE HYDRANT

FIRE SPRINKLER HEAD LEGEND

SYM.	MAKE AND MODEL	K-FACTOR	SIZE	TEMP.	TYPE	FINISH	CANOPY	QTY.
○	TYCO-FRB (TY-3131)	5.6	1/2"	200°	UPRIGHT	BRASS	N/A	845
●	TYCO-FRB (TY-3231)	5.6	1/2"	155°	PENDENT	CHROME	CHR. RECESSED	48

Denotes up over down head symbol

TOTAL SPRINKLER HEADS THIS SHEET: 893

AUTHORITY HAVING JURISDICTION

PHONE NO.

DATE: 8-11
BY: DW
REVISIONS: correction per DSA redlines.

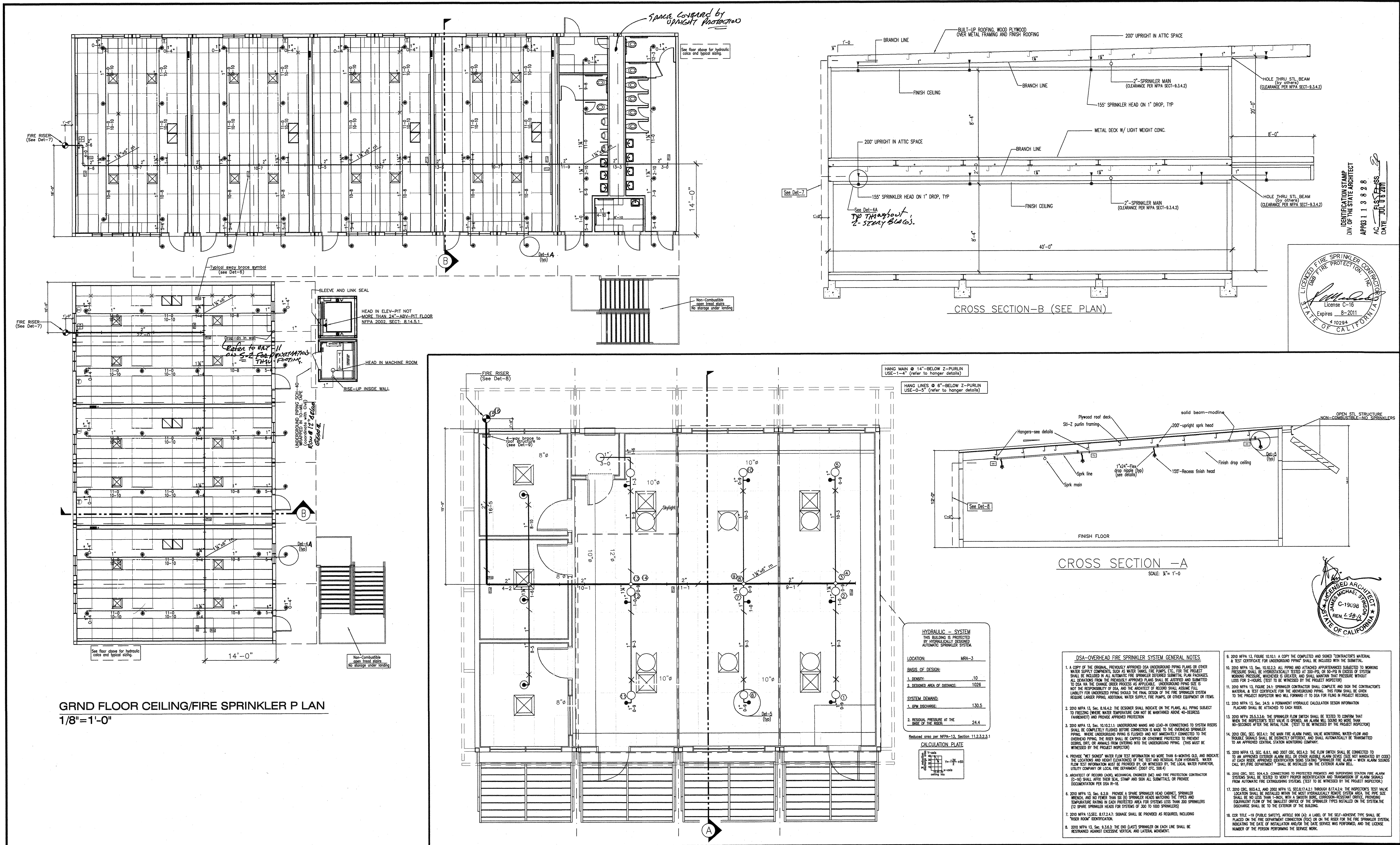


FIRE PROTECTION, INC.

1623 LESSON LANE CORONA, CALIFORNIA 92729
(951) 737-9885 (951) 737-8880 LICENSE NO. C16-410294

TITLE: FIRE SPRINKLER PIPING PLAN: UPPER FLR
GUSD-MARK KEPPEL MIDDLE SCHOOL
700 GLENWOOD RD., GLENDALE, CA 91201

JOB NO.:
SCALE: 1/4"=1'-0"
DRAWN: BS/PM/DW
DATE: 2-11
SHEET: FS-1 of 2



GRND FLOOR CEILING/FIRE SPRINKLER PLAN
1/8"=1'-0"

CROSS SECTION-B (SEE PLAN)

CROSS SECTION-A
SCALE: 1/4"=1'-0"

WATER FLOW INFO.

STATIC: 86.0 PSI
RESIDUAL: 55.0 PSI
FLOW: 2060 GPM

INFORMATION FROM:
GLENDALE FIRE 2-14-11

HANGER SYMBOL LEGEND

#1 U-HOOK
#2 SIDE BEAM BRACKET (1" ATR & UP)
#3 THREADED SIDE BEAM BRACKET
#4 CONCRETE SHOT & PIN
#5 COACH SCREW ROD
#6 CONCRETE DROP-IN ANCHOR
#7 TOP BEAM CLAP W/ RETAINER STRAP
#8 NUTS, WASHERS THRU DRILLED HOLES

UNDERGROUND FIRE MAIN SYMBOLS

--- EXISTING UNDERGROUND PIPING
--- POST INDICATOR VALVE (PIV)
--- KEY VALVE
--- FIRE DEPT. CONNECTION (FDC)
--- FIRE HYDRANT

FIRE SPRINKLER HEAD LEGEND

SYM.	MAKE AND MODEL	K-FAC	SIZE	TEMP	TYPE	FINISH	CANOPY	QTY.
○	TYCO-FRB (TY-3131)	5.6	3/4"	200°	UPRIGHT	BRASS	N/A	94
●	TYCO-FRB (TY-3231)	5.6	3/4"	155°	PENDENT	CHROME	CHR. RECESSED	92
●	TYCO-(TY-3351)	5.6	3/4"	200°	HSW			1

○ Denotes up over down head symbol

TOTAL SPRINKLER HEADS THIS SHEET: 187

HYDRAULIC SYSTEM
THIS BUILDING IS PROTECTED BY AUTOMATICALLY RESETTING, WATERWORKS SPRINKLER SYSTEM.

LOCATION: MWA-3

DATE OF DESIGN: 10/10/11

DESIGNER: JMS

REVISION: 10/10/11

SYSTEM DEMAND: 130.5

1. GPM DEMAND: 130.5

2. RESIDUAL PRESSURE AT THE BASE OF THE RISER: 24.4

Reduced area per NFPA-13, Section 11.2.3.2.1

CALCULATION PLATE

1	130.5	130.5
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AUTHORITY HAVING JURISDICTION

PHONE NO.

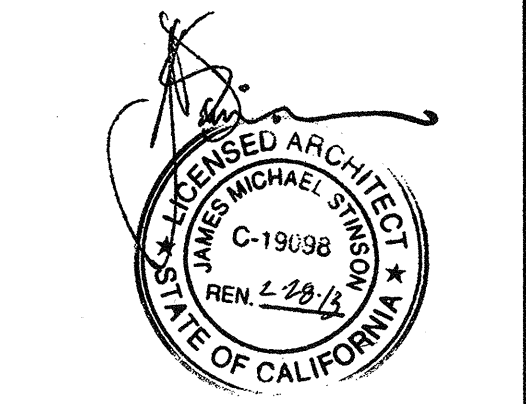
DATE: BY: REVISIONS:

ZMS
American Modular Systems Inc.
787 Srockela Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

FIRE PROTECTION, INC.
1623 LEESON LANE CORONA, CALIFORNIA 92729
(951) 737-9985 FAX (951) 737-6880 LICENSE NO C16-410284
TITLE: FIRE SPRINKLER PIPING PLAN: GRND-FLR/SINGLE
GUSD-MARK KEPPEL ELEM SCHOOL
700 GLENWOOD RD, GLENDALE, CA 91201

JOB NO.
SCALE: 1/8"=1'-0"
DRAWN: BS/PM
DATE: 3-11
SHEET: FS-2 of 2

REGISTERED ARCHITECT
DIV. OF THE STATE ARCHITECTURE
APP# 113888
AC: FLS/STW
DATE: JULY 2010

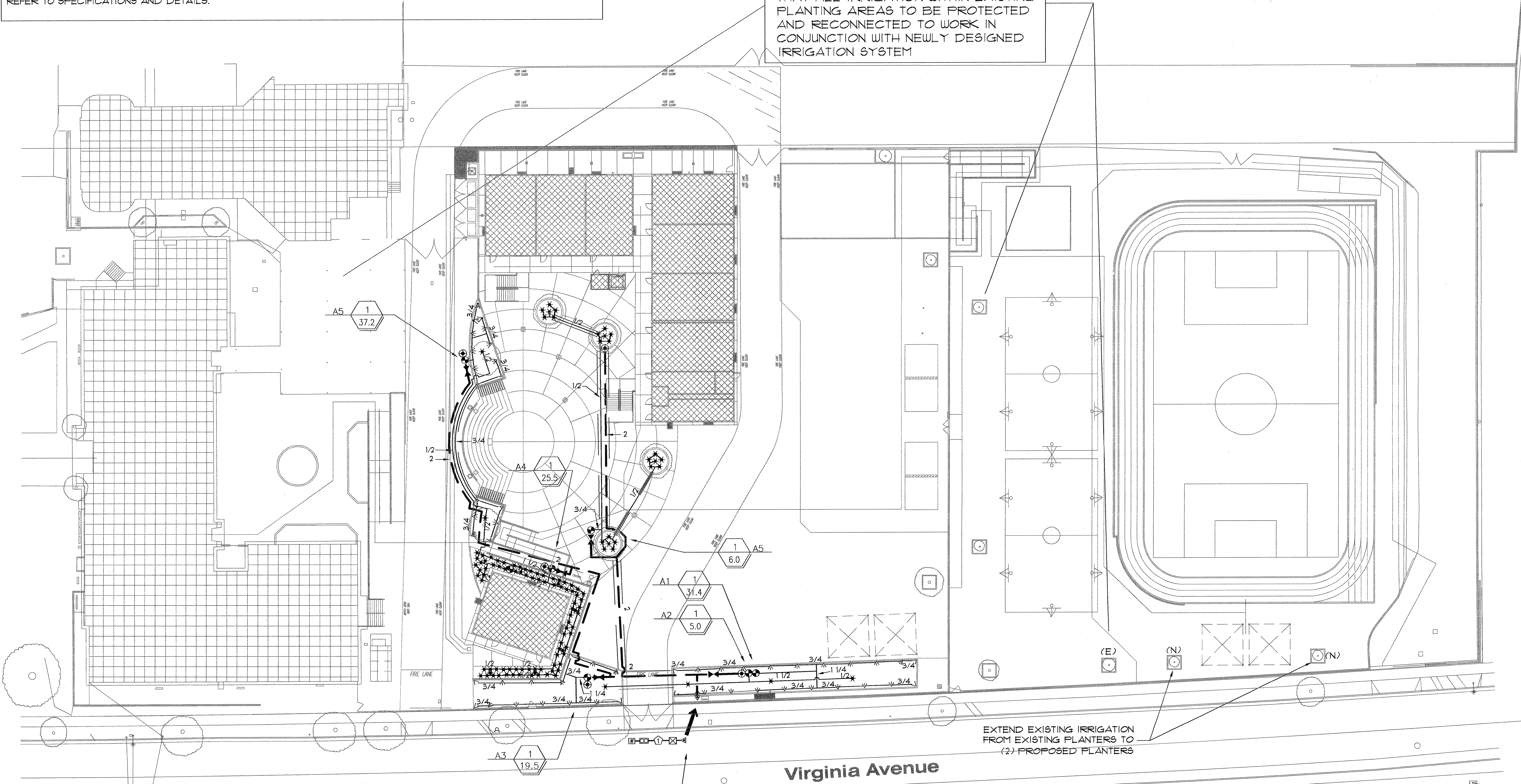


THIS SYSTEM IS DIAGRAMMATIC. ANY EQUIPMENT SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED WITHIN PLANTED AREAS NEAREST POINT SHOWN ON THE DRAWINGS SO AS TO COMPLY WITH THE VARIOUS DETAILS.

SLEEVES, 6CH. 40 FVC, 2X DIAMETER FOR PRESSURE MAIN LINE AND LATERALS, 2" DIAMETER MINIMUM FOR CONTROL AND COMMON WIRES. PROVIDE 24" OF COVER FROM FINISHED GRADE TO TOP OF PIPE. SLEEVES TO BE USED UNDER ALL HARDSCAPE SURFACES.

ALL COMPONENTS OF SYSTEM TO BE INSTALLED IN ACCORDANCE FOR USE WITH FUTURE RECLAIMED WATER. REFER TO SPECIFICATIONS AND DETAILS.

IRRIGATION NOTE:
LANDSCAPE CONTRACTOR TO ENSURE THAT ALL IRRIGATION WITHIN EXISTING PLANTING AREAS TO BE PROTECTED AND RECONNECTED TO WORK IN CONJUNCTION WITH NEWLY DESIGNED IRRIGATION SYSTEM



EXTEND EXISTING IRRIGATION FROM EXISTING PLANTERS TO (2) PROPOSED PLANTERS

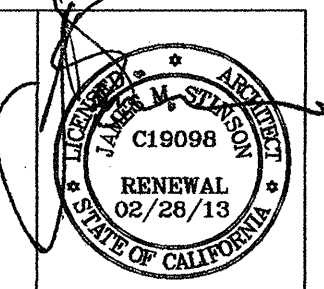
POINT OF CONNECTION AT EXISTING WATER METER STATIC PRESSURE +/- 5 PSI PER GLENDALE WATER

REFER TO SHEET L-2 FOR IRRIGATION LEGEND AND DETAILS



STUDIO
LANDSCAPE ARCHITECTURE
Robert Crandall 3272 Jessica Street
Landscape Architect Newbury Park, CA 91320
CA Lic. No. 3360 (805) 890-0441

IRRIGATION PLAN
SCALE: 1"=20'-0"



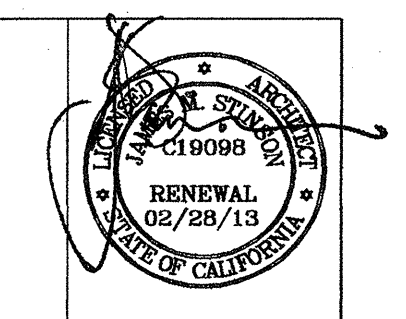
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED 11/3/88
AC/CLS SS
DATE: JUL 01, 2011

PSMC Group
ARCHITECTURE
PLANNING
INTERIOR DESIGN
8475 WILSON AVENUE, SUITE 200
GLENDALE, CA 91201
TEL: 800-890-2233 FAX: 800-284-2844

KEPPEL ELEMENTARY SCHOOL
2 STORY CLASSROOM ADDITION
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

IRRIGATION PLAN

JOB NO.
DRAWN BY
R.C.
DATE
09-29-11
L-1
OF 4 SHEETS



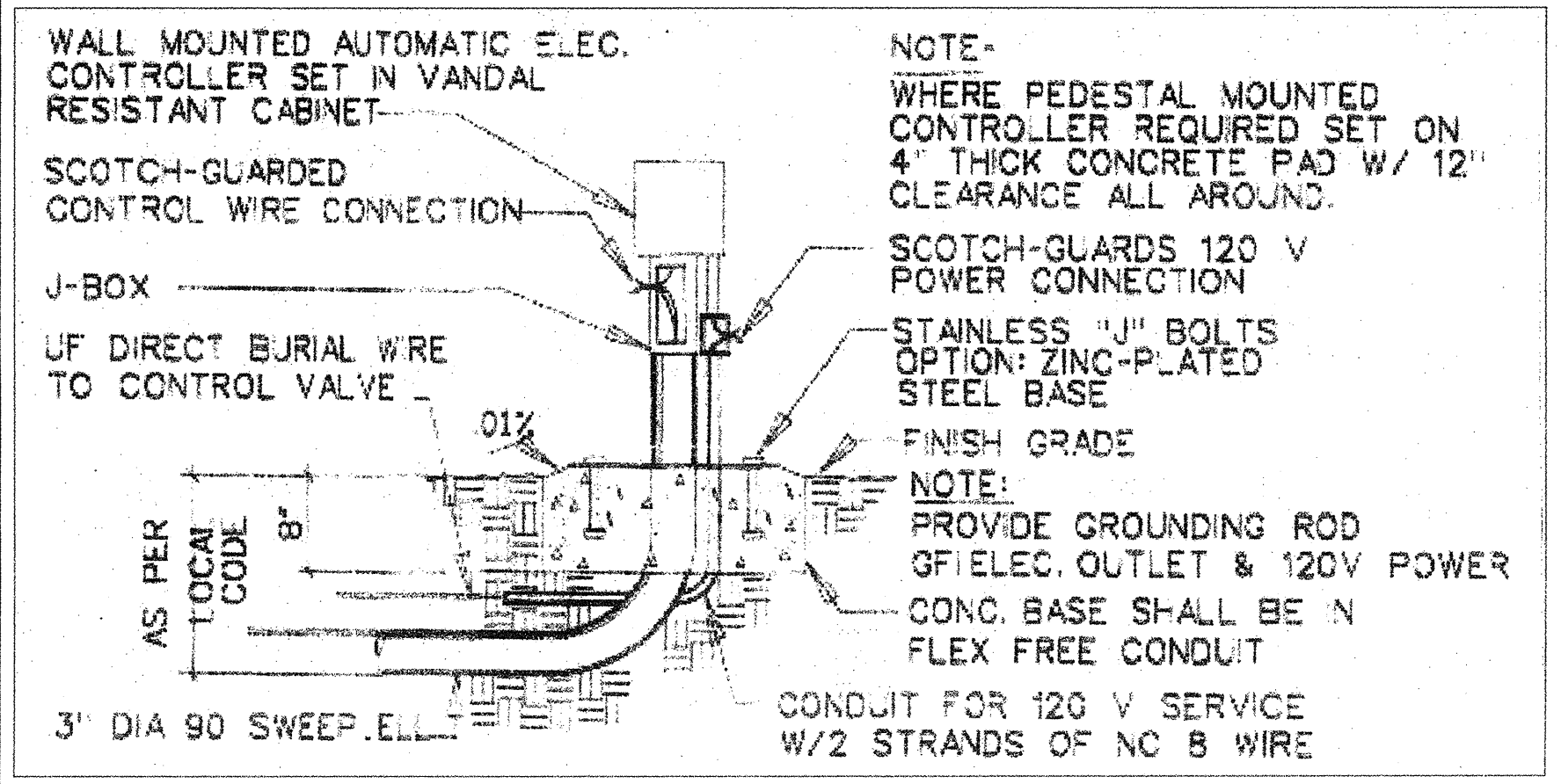
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APR 11 3 8 8
 ARCHITECT
 DATE: 11/11/11

PSWC Group
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 LANDSCAPE ARCHITECTURE
 SAN BERNARDINO COUNTY
 TEL: 909.850.2233 FAX: 909.850.2244

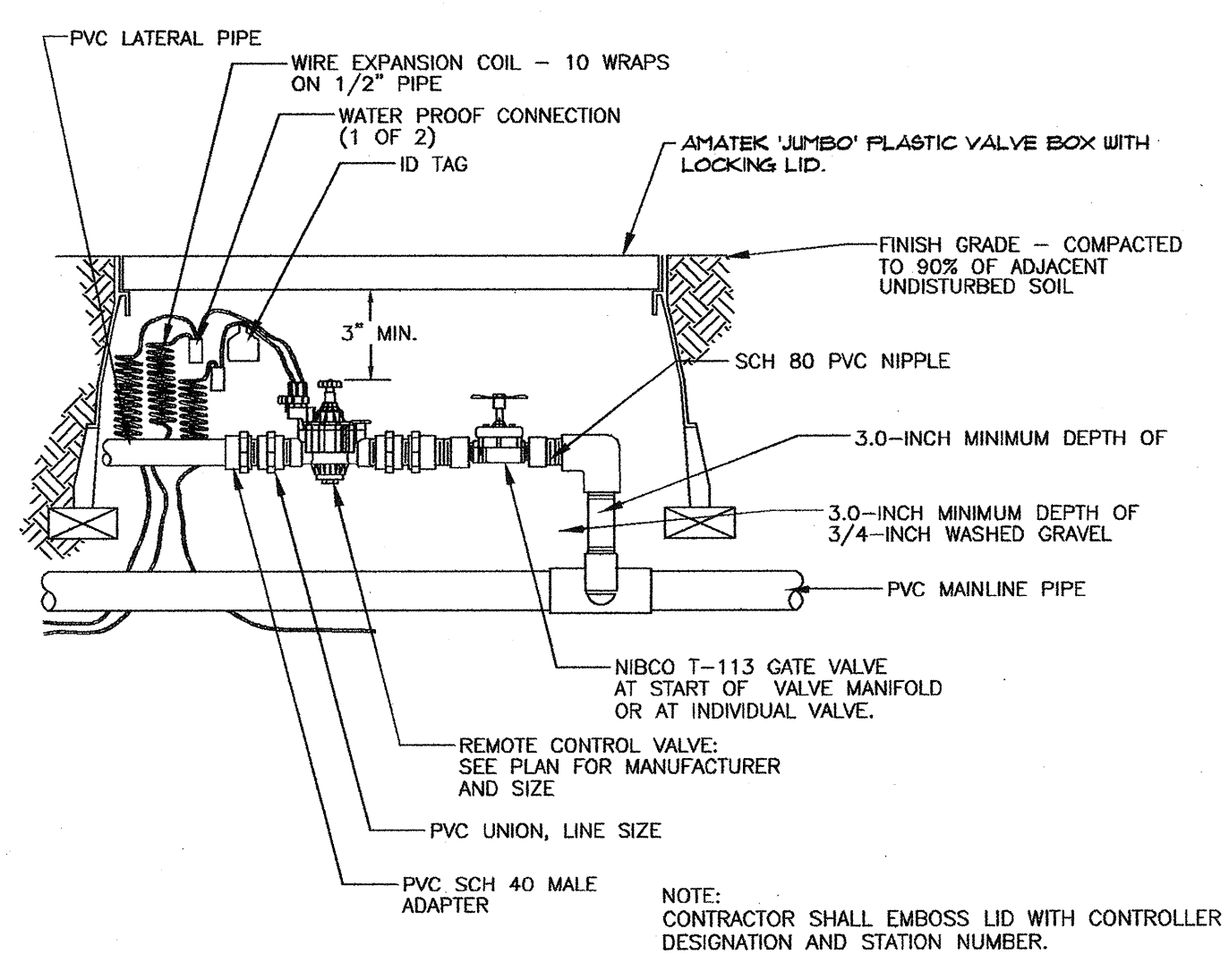
KEPPEL ELEMENTARY SCHOOL
 2 STORY CLASSROOM ADDITION
 GLENDALE UNIFIED SCHOOL DISTRICT
 700 GLENWOOD RD., GLENDALE, CA 91201

IRRIGATION DETAILS
 & LEGEND

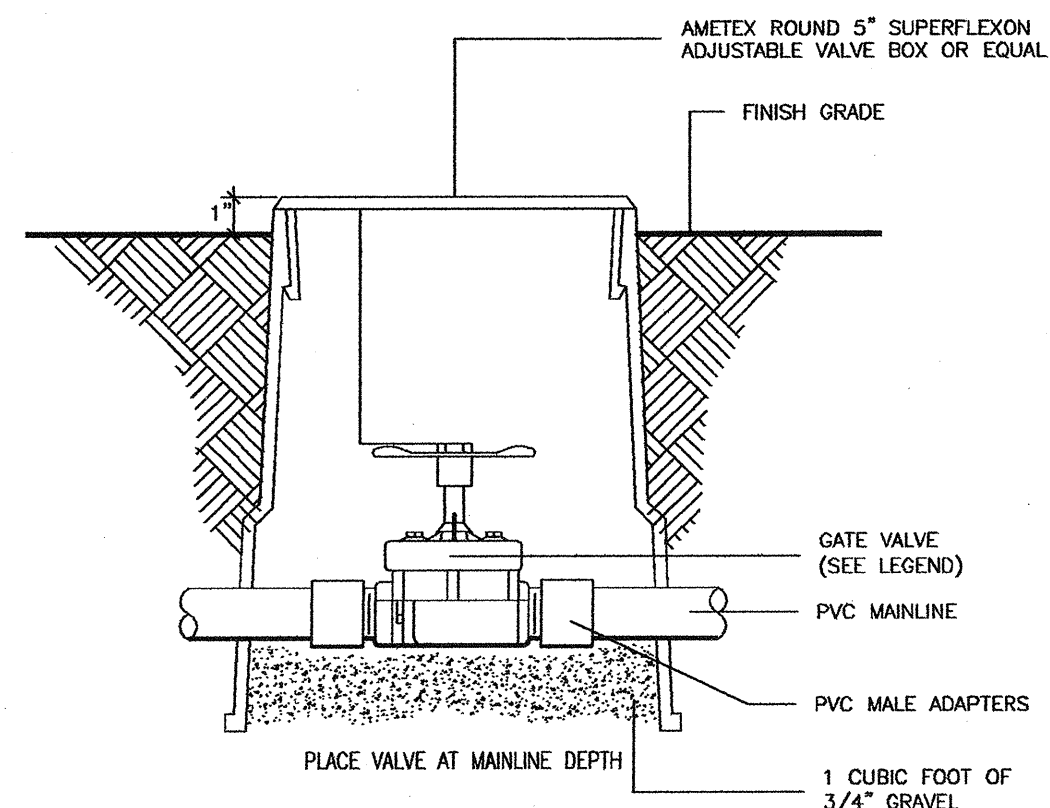
JOB NO.
 DRAWN BY
 R.C.
 DATE
 02-28-11
 L-2
 OF 4 SHEETS



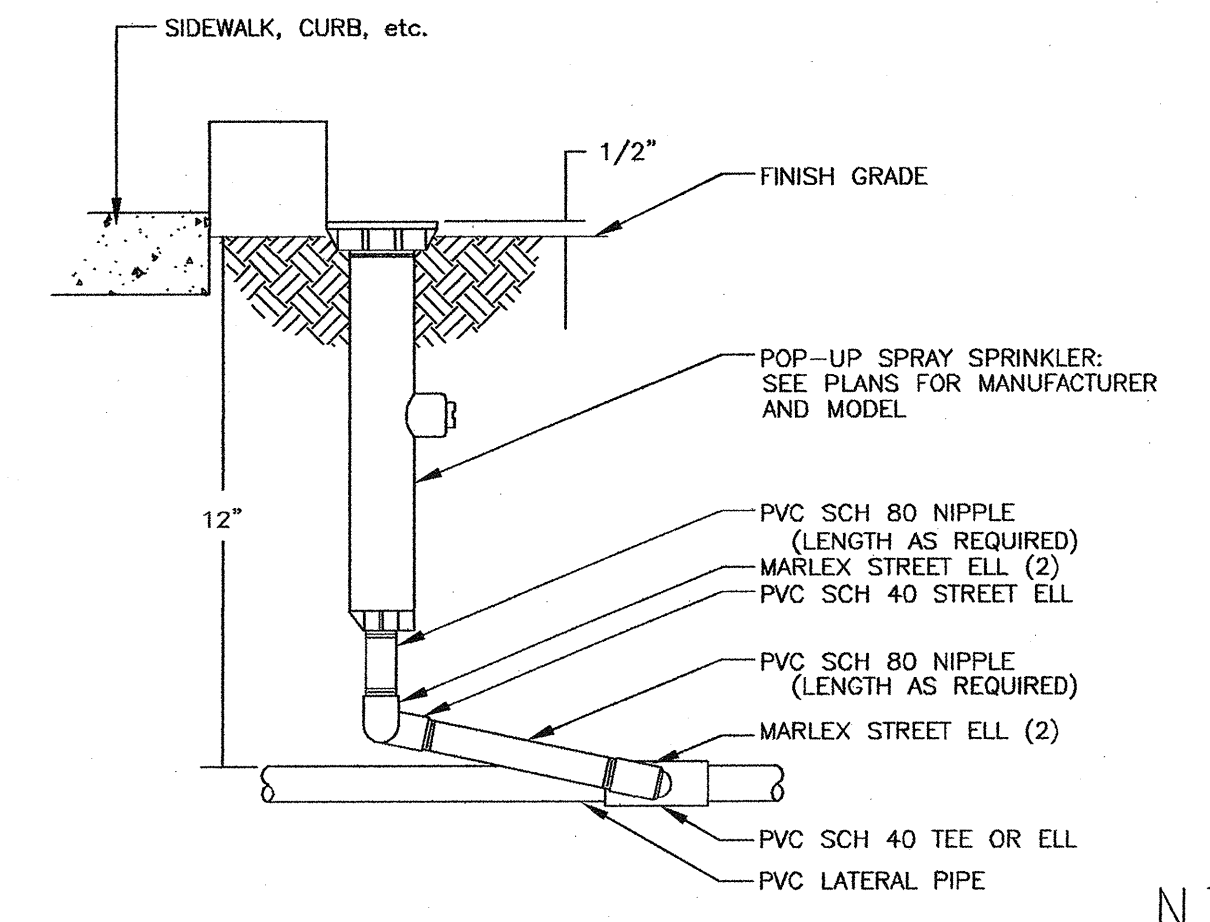
(A) AUTOMATIC CONTROLLER



(B) REMOTE CONTROL VALVE



(C) GATE VALVE



(D) POP-UP SPRAY HEAD

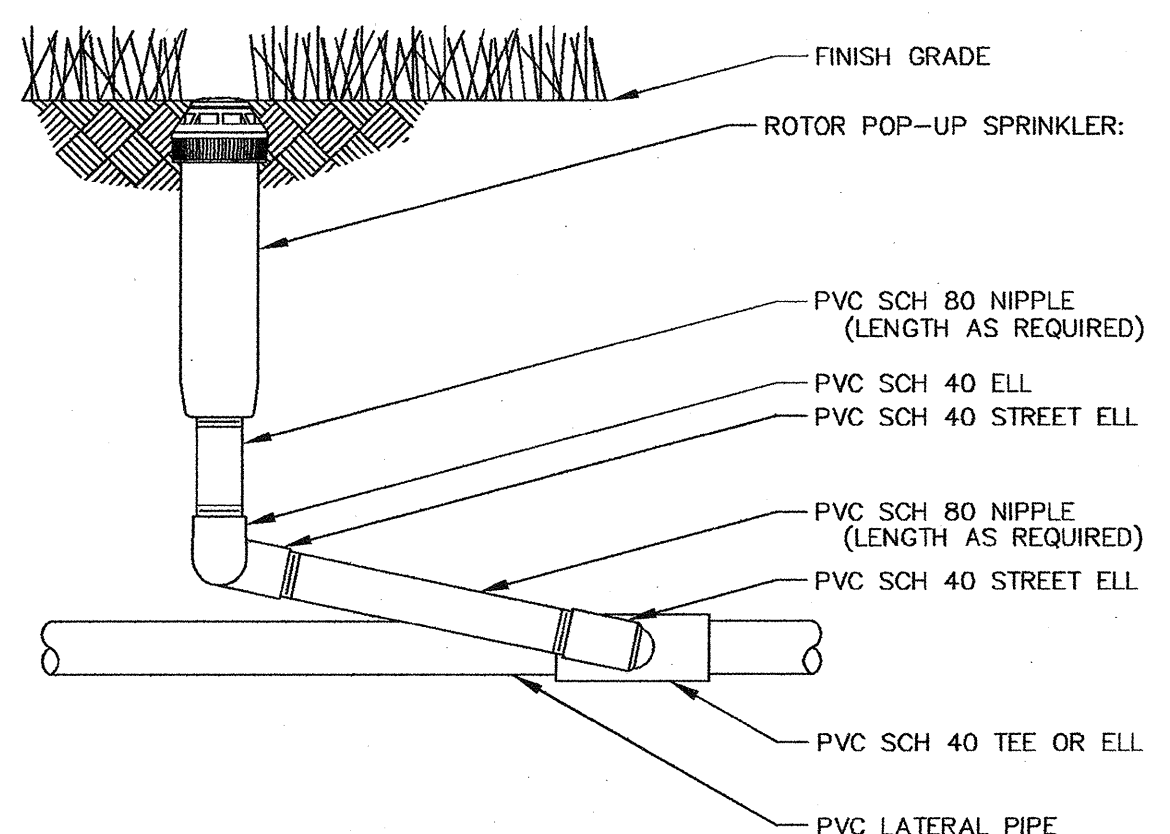
N.T.S.

GENERAL CONDITIONS

- Contractor shall inspect the site prior to beginning work. Verification of all measurements and site information shall be the responsibility of the landscape contractor. Acceptance of the site by the landscape contractor makes the contractor solely responsible for any and all visible conditions.
- Landscape contractor is responsible to install all work in accordance with all codes, guidelines and policies of the local governing agency. Secure all permits and appropriate inspections as may be required.
- Landscape contractor is to maintain a supervisor qualified in each trade, on site during installation of the work through the final completion, inspection and acceptance.
- Disclaimer: Do not willfully install any work when it is obvious to a reasonable person that the work, as herein described, does not match the site conditions or lacks something normal to the completion of this work, or something is obviously missing or incorrect, or the drawings include an obvious omission or error. Such conditions shall be brought to the attention of the landscape architect or the owner or owner's representative within 24 hours of discovery. Otherwise the landscape contractor assumes responsibility for any and all necessary revisions with no cost to the owner.

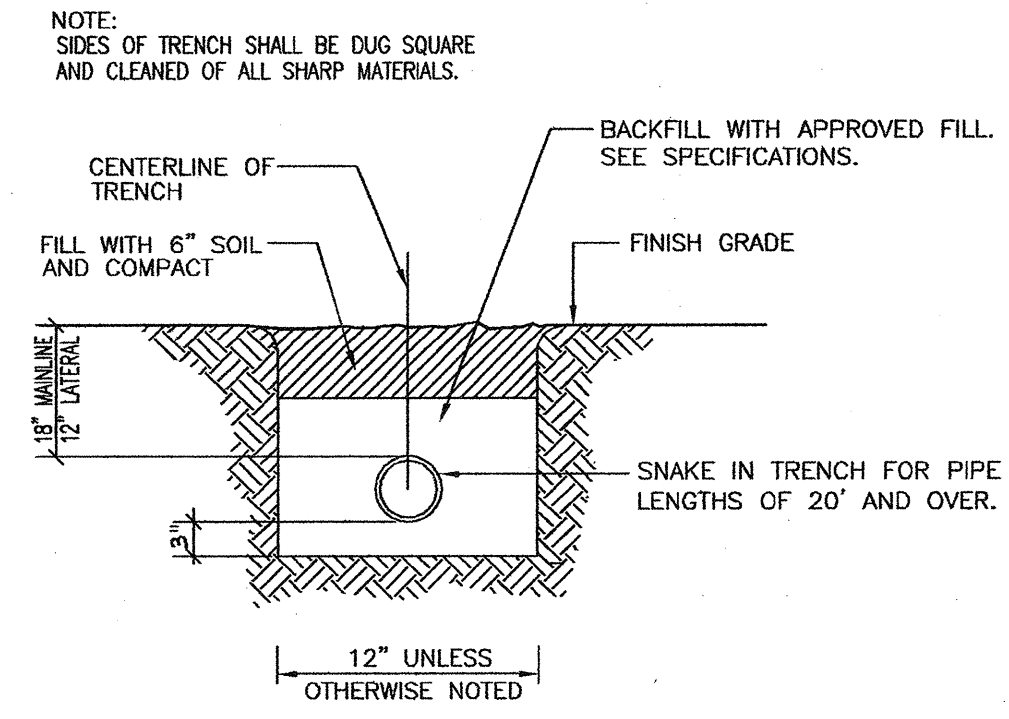
IRRIGATION NOTES

- All work shall conform to the applicable laws, ordinances and regulations of the local agency.
- Install equipment as shown in details and indicated in the specifications. Follow all manufacturers recommendations and instructions.
- This system is diagrammatic. Any equipment shown in paved areas is for design clarification only and shall be installed within planted areas nearest point shown on the drawings so as to comply with the various details.
- System design is based on a minimum operating pressure shown, and a maximum demand as specified. Irrigation contractor shall verify all pressure on site prior to beginning work.
- Provide minimum 18" of cover over all pressure main lines and 12" over all non-pressure laterals.
- All wire from controller to control valves shall be copper UL #14 600-volt direct burial wire. Use black for pilot and white for common. Place wire in common trench with irrigation main line where possible, taped at 10' intervals to the bottom of the pipe. Form 6 each 1" coils at each valve location and at change in direction of pipe. Provide 18" cover.
- Wire connections shall be made with "Rain Bird Snap-Tite" or "Scotch-Lok" connectors.
- The landscape contractor shall flush all lines and adjust heads for maximum performance and to limit over spray onto walks, driveways, roadways and buildings. Adjust all control valves to deliver PSI indicated on legend to the farthest head.
- Final location of controller and control valves shall be approved by the landscape architect.
- 10,120 VAC power to controller is by others. Landscape contractor shall be responsible for connection of controller to power.
- Use Teflon tape when threading metal-to-metal and plastic male threads to metal female threads.
- The contractor shall keep a complete set of plans at the site at all times. Regularly update plans by indicating any deviations as they occur. Upon completion of the work a clean set of reproducible drawings shall be delivered to the owner. These drawings shall include all deviations accurately dimensioned in two directions to fixed and known points.
- After all installation is complete, all trash, debris and excess soil shall be removed from the site and deposited away from adjacent property in a legal manner. At no time during construction shall dirt, mud, trash or debris be left on or adjacent to areas of pedestrian traffic so as to cause a safety hazard.
- Guarantee: The entire irrigation system shall be guaranteed by the landscape contractor for a period of one year from the date of final acceptance of the work. Guarantee shall cover all materials and workmanship. If at any time the system fails to function adequately the landscape contractor shall make all necessary repairs or adjustments immediately upon receipt of notice from the owner or owner's representative.



(E) ROTOR

N.T.S.



(F) PIPE TRENCH

N.T.S.

SLEEVES, SCH. 40 PVC, 2X DIAMETER FOR PRESSURE MAIN LINE AND LATERALS, 2" DIAMETER MINIMUM FOR CONTROL AND COMMON WIRES. PROVIDE 24" OF COVER FROM FINISHED GRADE TO TOP OF PIPE. SLEEVES TO BE USED UNDER ALL HARDSCAPE SURFACES.

ALL COMPONENTS OF SYSTEM TO BE INSTALLED IN ACCORDANCE FOR USE WITH FUTURE RECLAIMED WATER. REFER TO SPECIFICATIONS AND DETAILS.

IRRIGATION LEGEND

SYMBOL	MFG./MODEL NO./NOZZLE	RAD.	FLOW GPM	PSI
F	3/4 2/3 1/2 1/3 1/4 V			
●	TORO 5702-XP-PRX-COM-E-5-H-Q	5'R	0.19,0.09 VARIES	30
○	TORO 5702-XP-PRX-COM-E-8-H-Q-V	8'R	.50, .24, VARIES	30
▽	TORO 5702-XP-PRX-COM-E-10-H-Q-V	10'R	0.71,0.40, VARIES	30
⊗	TORO 5702-XP-PRX-COM-E-12-F-H-Q-V	12'R	2.19,1.09,.50, VARIES	30
⊙	TORO 5702-XP-PRX-COM-E-15-F-H-Q-V	15'R	3.6,1.63,0.85, VARIES	30
*	TORO 5702-XP-PRX-COM-E-58-360-PC2	1.5'R	.74	30

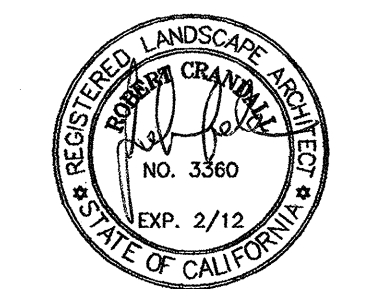
**USE 6" POP UP BODIES IN SHRUB PLANTING AREAS. USE 4" POP UP BODIES IN ALL TURFGRASS AREAS. EFFLUENT MOLDED CAP WITH SEAL (102-1211) TO BE USED ON ALL IRRIGATION HEADS FOR POSSIBLE UTILIZATION OF RECLAIMED WATER

- ▲ POC POINT OF CONNECTION AT EXISTING 1-1/2" WATER METER. VERIFY LOCATION.
- ⊞ REDUCED PRESSURE BACK FLOW ASSEMBLY, FEBCO MODEL 825Y/ 1-1/2", W/IN STRONG BOX "BC-30CR SECURITY ENCLOSURE.
- ⊞ UTILIZE EXISTING SUPERIOR STERLING SERIES 12 STATION IRRIGATION CONTROLLER. RELOCATE W/IN STAINLESS STEEL CABINET W/ WELDED EDGES AND SMOOTH GROUND CORNERS, 10-GAUGE STEEL HINGED DOOR AND INTERIOR BRACKETS FOR MOUNTING. 110V ELECTRICAL TO BE PROVIDED BY OTHERS. VERIFY LOCATION IN FIELD. IF ADDITIONAL STATIONS ARE REQUIRED, UPGRADE CONTROLLER TO ACCOMMODATE NEW AND EXISTING IRRIGATION SYSTEMS.
- ⊞ SUPERIOR MODEL 950-DUPRS PRESSURE REGULATING REMOTE CONTROL VALVE, W/IN 14" X 19" X 12" PURPLE PLASTIC VALVE BOX WITH GATE VALVE AT EACH VALVE OR VALVE MANIFOLD LOCATION.
- ⊞ NIBCO BALL VALVE-LINE SIZE FULL PORT.

SYMBOL MFG./MODEL NO./NOZZLE

- ⊞ EXISTING 1 1/2" WATER METER
- ⊞ RE-USE EXISTING BOOSTER PUMP.
- ⊞ FLOW SENSOR AND MASTER VALVE. CONTRACTOR TO INSTALL MASTER VALVE DOWN STREAM FROM BACK FLOW DEVICE AND FLOW SENSOR.
- ⊞ GRISWOLD MODEL 2265-2" MASTER VALVE. DATA INDUSTRIAL FLOW SENSOR, MODEL 220P-1.5.
- ⊞ RAINBIRD 44LRC BRASS QUICK COUPLING VALVE W/ LOCKING RUBBER COVER. LOCATE IN ROUND PURPLE VALE BOX
- 2" PRESSURE MAIN LINE, PURPLE SCH. 40 SIZES TO 1-1/2", CLASS 315 2" AND LARGER. PROVIDE 18" OF COVER FROM FINISHED GRADE TO TOP OF PIPE. LASCO, SIMPSON OR EQUAL.
- LATERAL LINE, PURPLE SCH 40 PVC, LASCO, SIMPSON OR EQUAL PROVIDE 12" OF COVER FROM FINISH GRADE TOP OF PIPE.
- SLEEVES, SCH. 40 PVC, 2X DIAMETER FOR PRESSURE MAIN LINE AND LATERALS, 2" DIAMETER MINIMUM FOR CONTROL AND COMMON WIRES. PROVIDE 24" OF COVER FROM FINISHED GRADE TO TOP OF PIPE. SLEEVES TO BE USED UNDER ALL HARDSCAPE SURFACES.

ALL COMPONENTS OF SYSTEM TO BE INSTALLED IN ACCORDANCE FOR USE WITH FUTURE RECLAIMED WATER. REFER TO SPECIFICATIONS AND DETAILS.

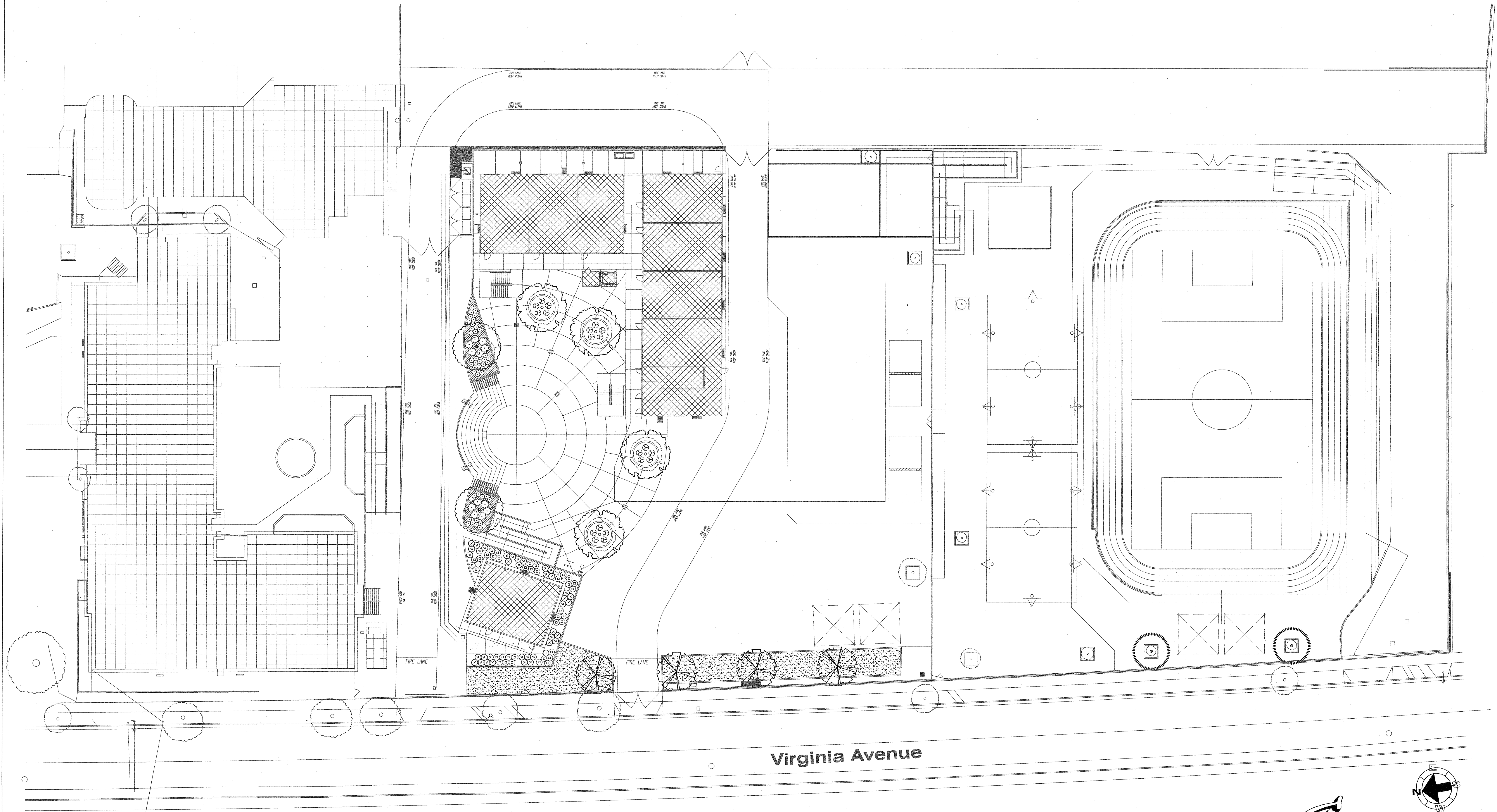


STUDIO
 LANDSCAPE ARCHITECTURE
 Robert Crandall 3272 Jessica Street
 Landscape Architect Newbury Park, CA 91320
 CA Lic. No. 3360 (805) 890-0441

IRRIGATION DETAILS
 & LEGEND

SCALE: NTS

REFER TO SHEET L-4 FOR
PLANTING LEGEND AND DETAILS



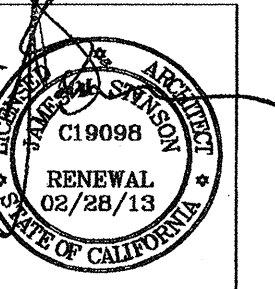
Virginia Avenue



STUDIO
LANDSCAPE ARCHITECTURE
Robert Crandall 3272 Jessica Street
Landscape Architect Newbury Park, CA 91320
CA Lic. No. 3360 (805) 890-0441

PLANTING PLAN

SCALE: 1"=20'-0"



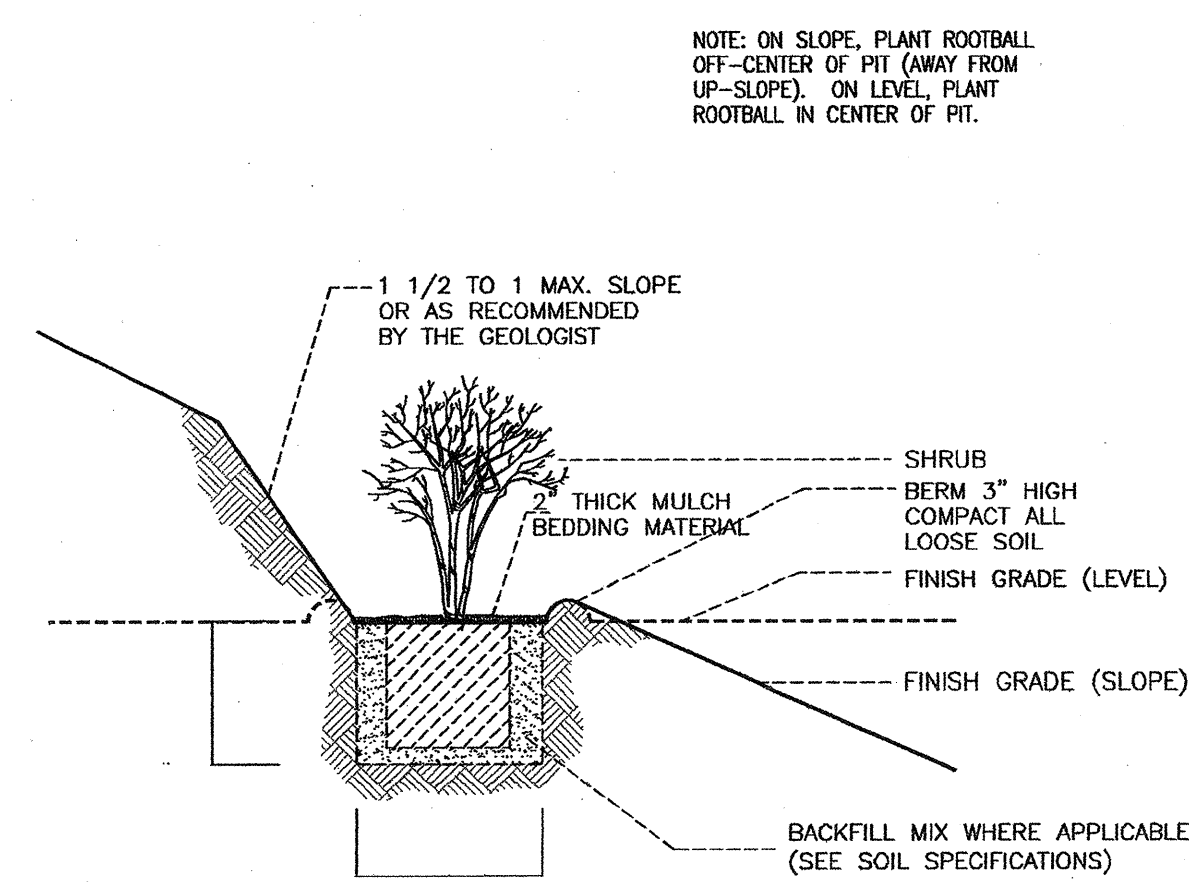
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROB 1 1 8 8 8 8
AC/PL/PLS/SS
DATE JUL 15, 2011

PSAC Group
ARCHITECTURE
PLANNING
INTERIOR DESIGN
SAN BERNARDINO COUNTY
SAN BERNARDINO, CA 92408
TEL 909.860.2233 FAX 909.860.2244

KEPPEL ELEMENTARY SCHOOL
2 STORY CLASSROOM ADDITION
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

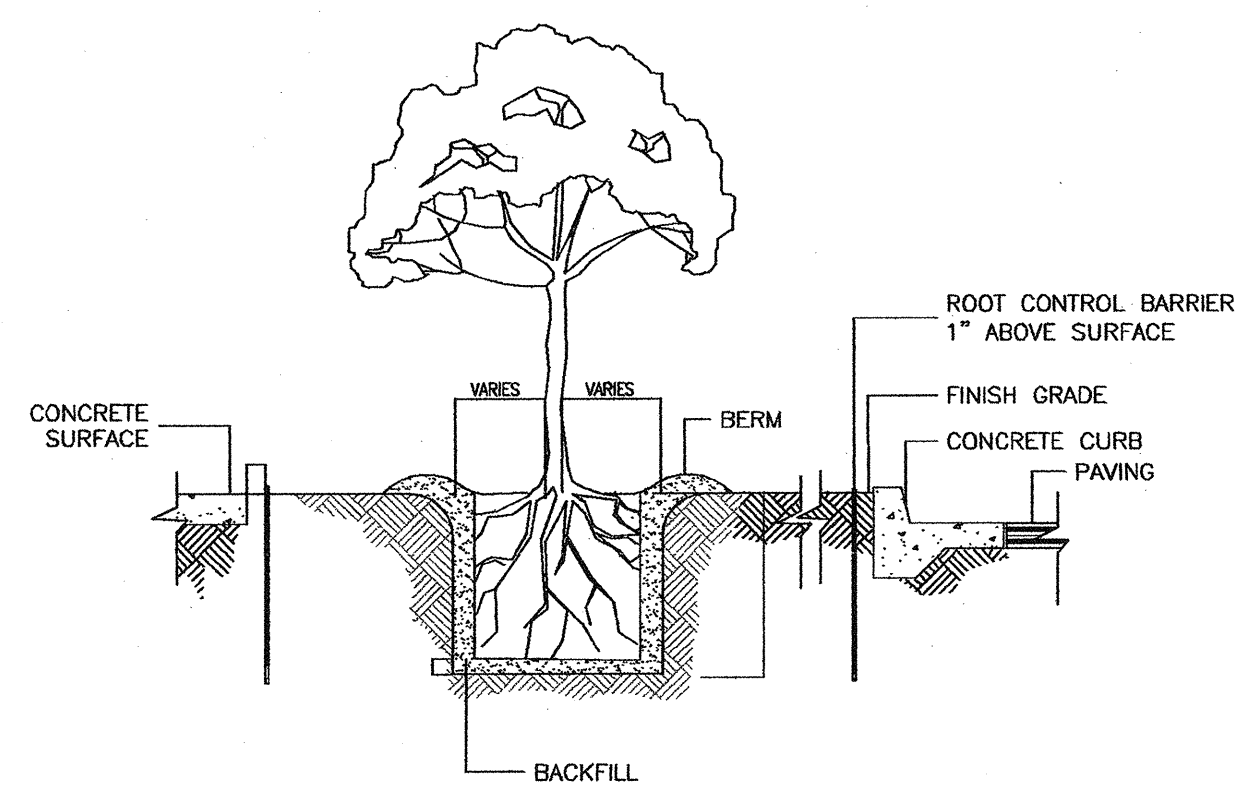
PLANTING PLAN

JOB NO.
DRAWN BY
R.C.
DATE
05-28-11
L-3
OF 4 SHEETS



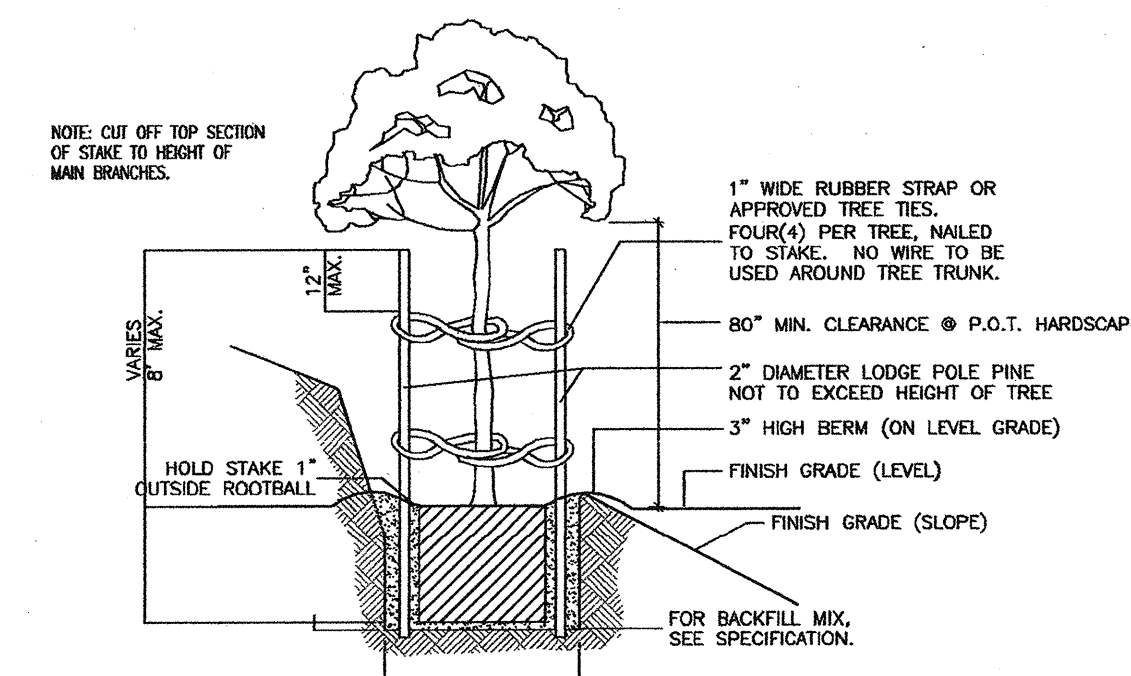
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SHRUB PLANTING



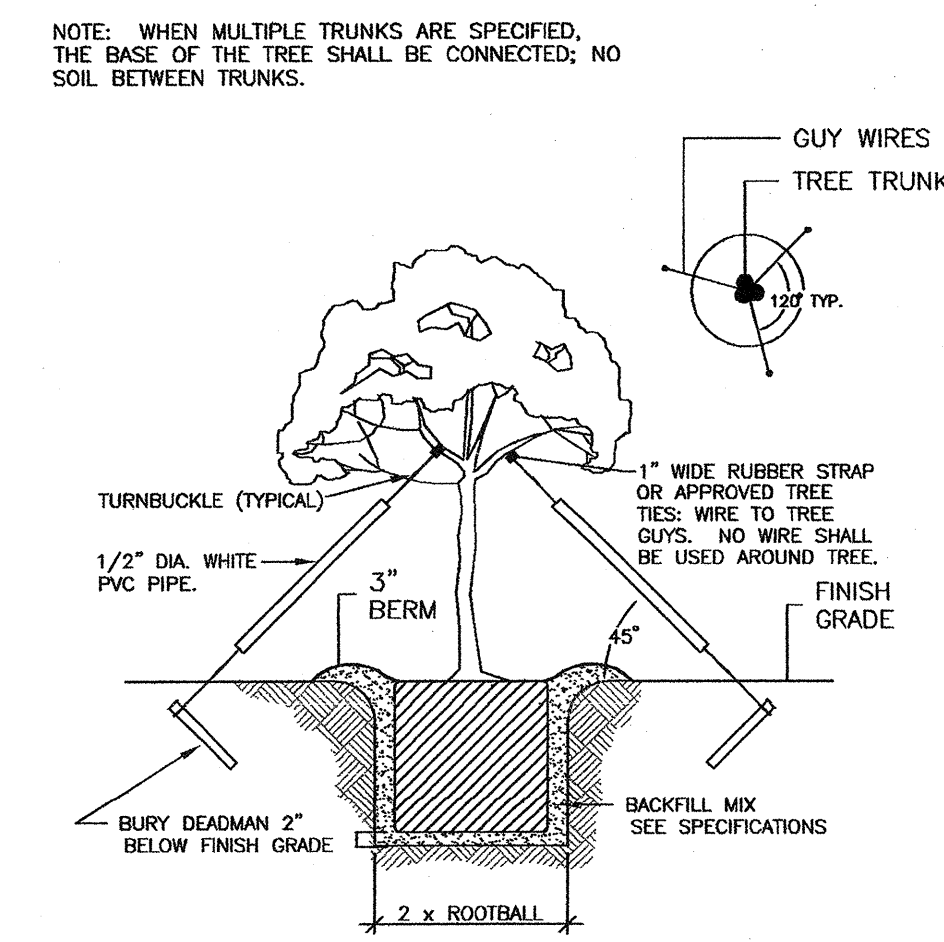
ROOT BARRIERS ARE TO BE USED ON ALL TREES W/IN 5' OF ANY HARDSCAPE/ CURB

ROOT BARRIER



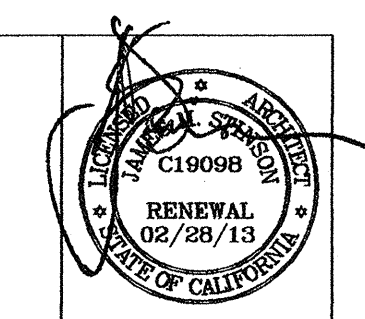
N.T.S.

TREE STAKING DETAIL



N.T.S.

GUYING (48" BOX & LARGER)



VERIFICATION SEAL
DIV. OF THE STATE ARCHITECT
APPROVED
APR 11 3 28
AD/FLS SS
DATE JUL 6 2011

REVISIONS
DATE
BY
DESCRIPTION

PSAC Group
ARCHITECTURE
PLANNING
DESIGN
1887 BUSINESS CENTER DRIVE
SAN BERNARDINO, CA 92408
TEL: 951.893.2233 FAX: 951.893.2844

KEPPEL ELEMENTARY SCHOOL
2 STORY CLASSROOM ADDITION
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

PLANTING DETAILS
& LEGEND

JOB NO.
DRAWN BY
R.C.
DATE
02-28-11
L-4
OF 4 SHEETS

PLANTING LEGEND

TREES

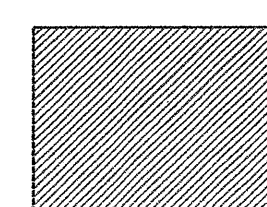
SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE	
	CALODENDRON CAPENSE	CAPE CHESTNUT		48" BOX	STANDARD
	GEIJERA PARVIFLORA	AUSTRALIAN WILLOW		36" BOX	STANDARD
	KOELREUTERIA BIPINNATA	CHINESE FLAME TREE		36" BOX	STANDARD
	QUERCUS ILEX	HOLLY OAK		36" BOX	STANDARD

ROOT BARRIERS ARE TO BE USED ON ALL TREES W/IN 8' OF ANY HARDSCAPE/ CURB

SHRUBS

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE
	NANDINA DOMESTICA 'COMPACTA'	COMPACT HEAVENLY BAMBOO		15 GALLON
	PHORMIUM TENAX 'BRONZE BABY'	COMPACT BRONZE FLAX		15 GALLON
	PITTOSPORUM TOBIRA 'VARIEGATA'	VARIGATED TOBIRA		5 GALLON
	PITTOSPORUM 'WHEELER'S DWARF'	WHEELER'S DWARF TOBIRA		5 GALLON
	RAPHIOLEPIS INDICA 'BALLERINA'	BALLERINA INDIA HAWTHORN		5 GALLON

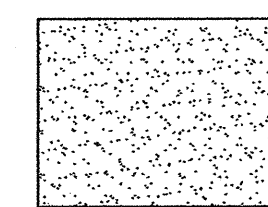
GROUND COVERS



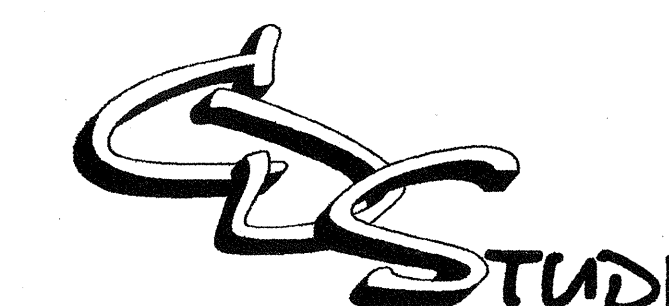
GAZANIA 'YELLOW CASCADE'
FROM FLATS @ 8" O.C.

MULCH TO BE APPLIED IN ALL PLANTING AREAS. REFER TO SPECIFICATIONS

TURF

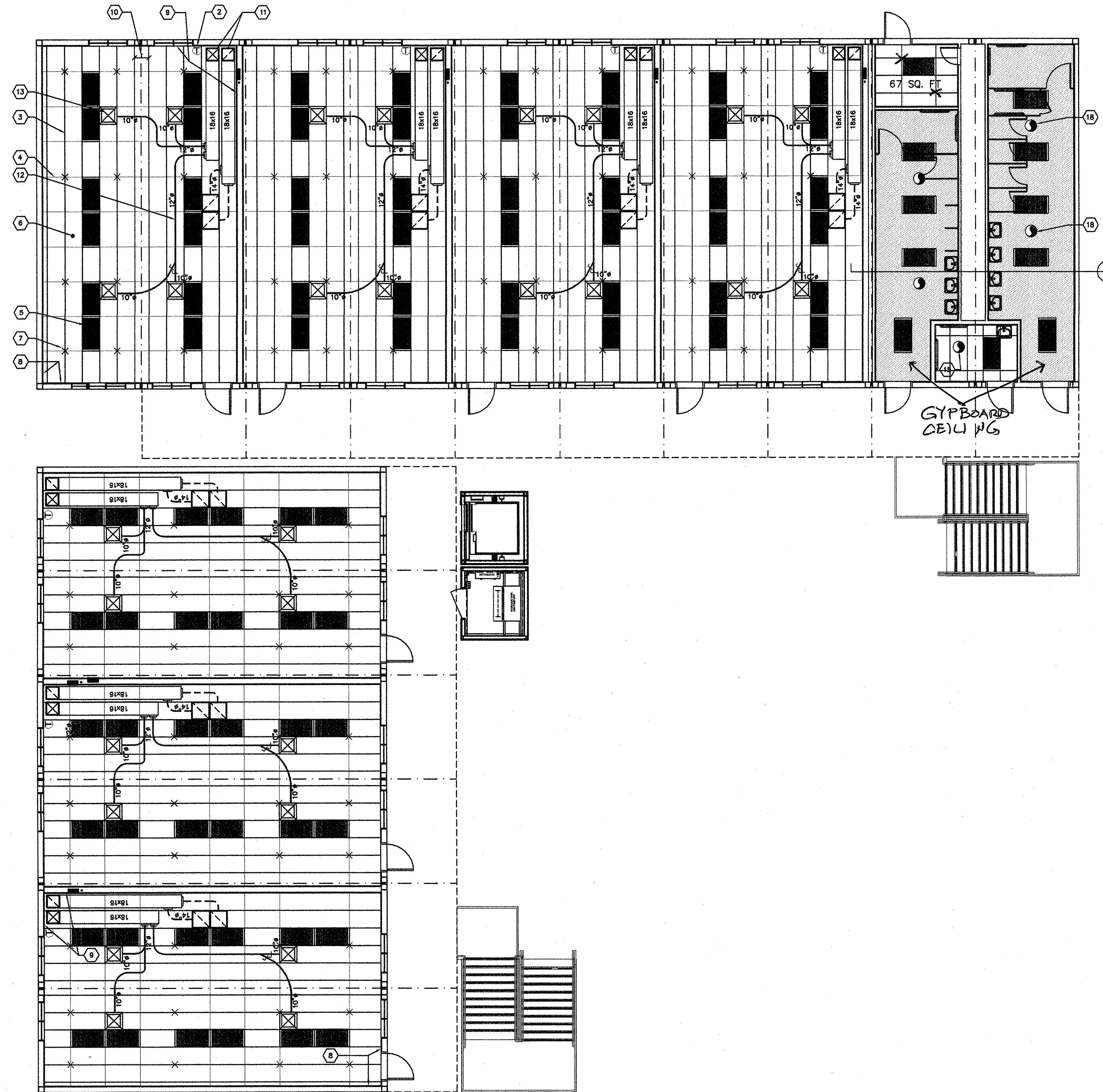
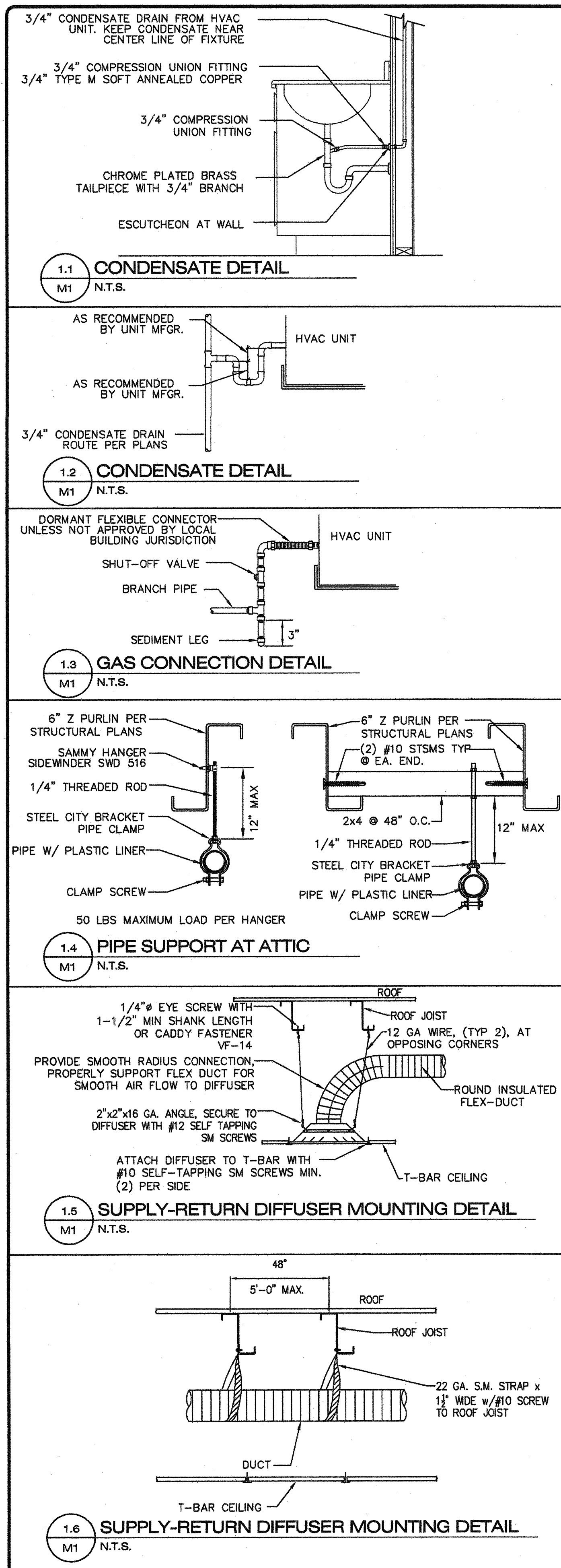


MARATHON II sod



LANDSCAPE ARCHITECTURE
Robert Crandall 3272 Jessica Street
Landscape Architect Newbury Park, CA 91320
CA Lic. No. 3360 (805) 890-0441

PLANTING DETAILS & LEGEND



1 GROUND FLOOR CEILING/MECHANICAL PLAN
M1 1/8"=1'-0"

- SHEET NOTES -
- 1 ROOF MOUNT TYPE HVAC UNIT REFER TO SHEET M1.1 FOR LOCATION
 - 2 THERMOSTAT @ +6" SEALED
 - 3 MAIN RUNNER TYP
 - 4 CROSS TEE TYP
 - 5 INTERIOR LIGHT FIXTURE REFER TO SHEET E1 FOR SPEC'S
 - 6 CEILING HEIGHT @ 8'-6" NOM
 - 7 SPLAY WIRE SEE 4/M2 FOR DETAILS
 - 8 FIXED CEILING END
 - 9 FREE CEILING END
 - 10 CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED
 - 11 RETURN AND SUPPLY DUCTS FROM UPPER FLOOR
 - 12 CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING
 - 13 TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE
 - 14 STUCCO OR SIDING @ SOFFIT
 - 15 EXHAUST FAN 100 C.F.M
 - 16 WALL MOUNTED EXHAUST DAMPER
 - 17 ATTIC ACCESS
 - 18 EXHAUST FAN 200 C.F.M AT BOYS AND GIRLS

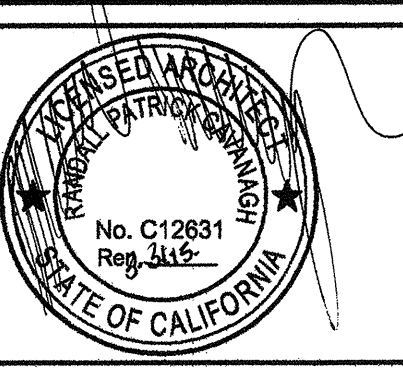
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 02-11-11
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
**GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL**

120'x40' AND 72'x40' 2 STORY RELOCATABLE BUILDINGS
CEILING/MECHANICAL GROUND FLOOR PLAN

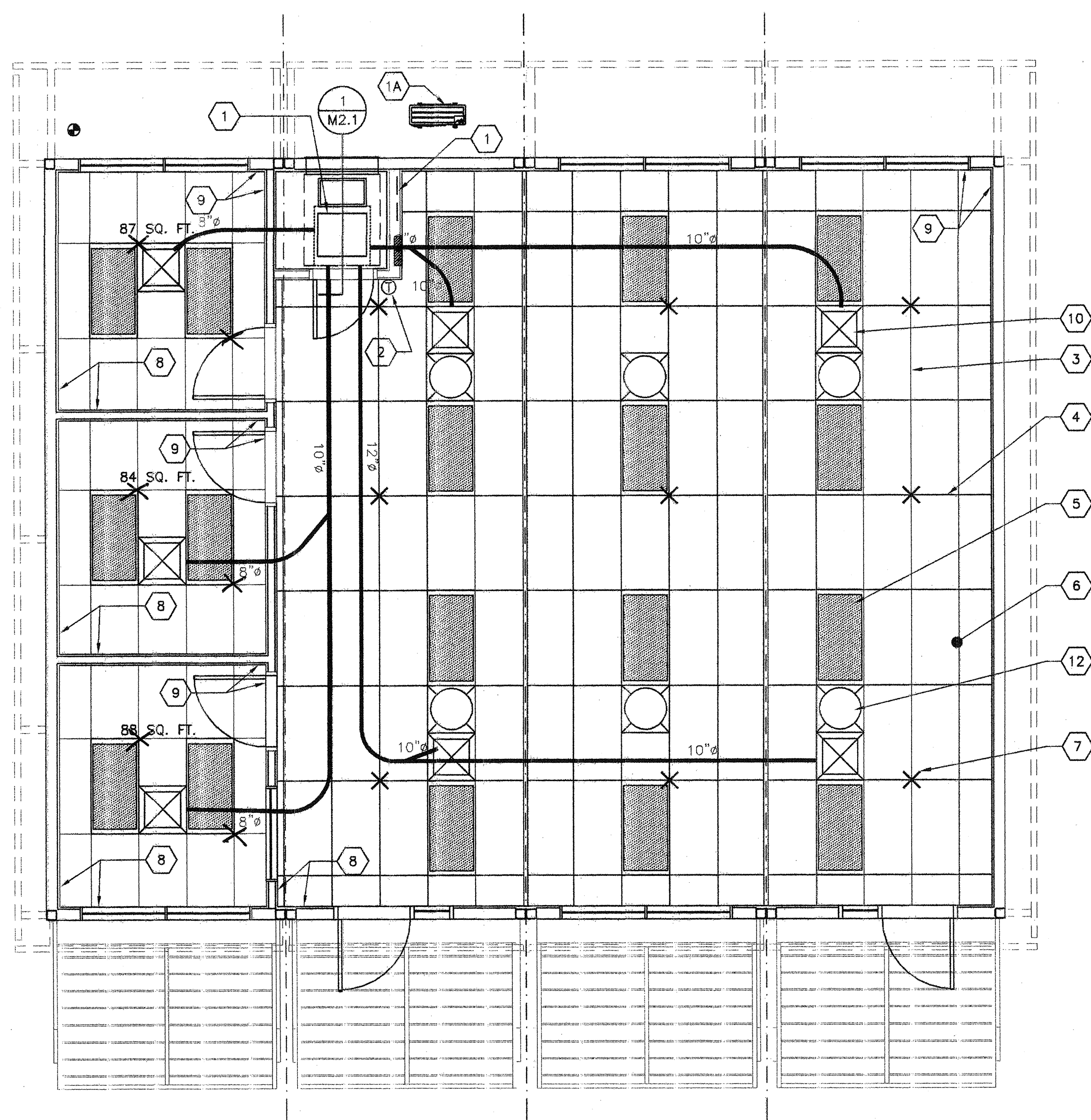
APPROVALS:



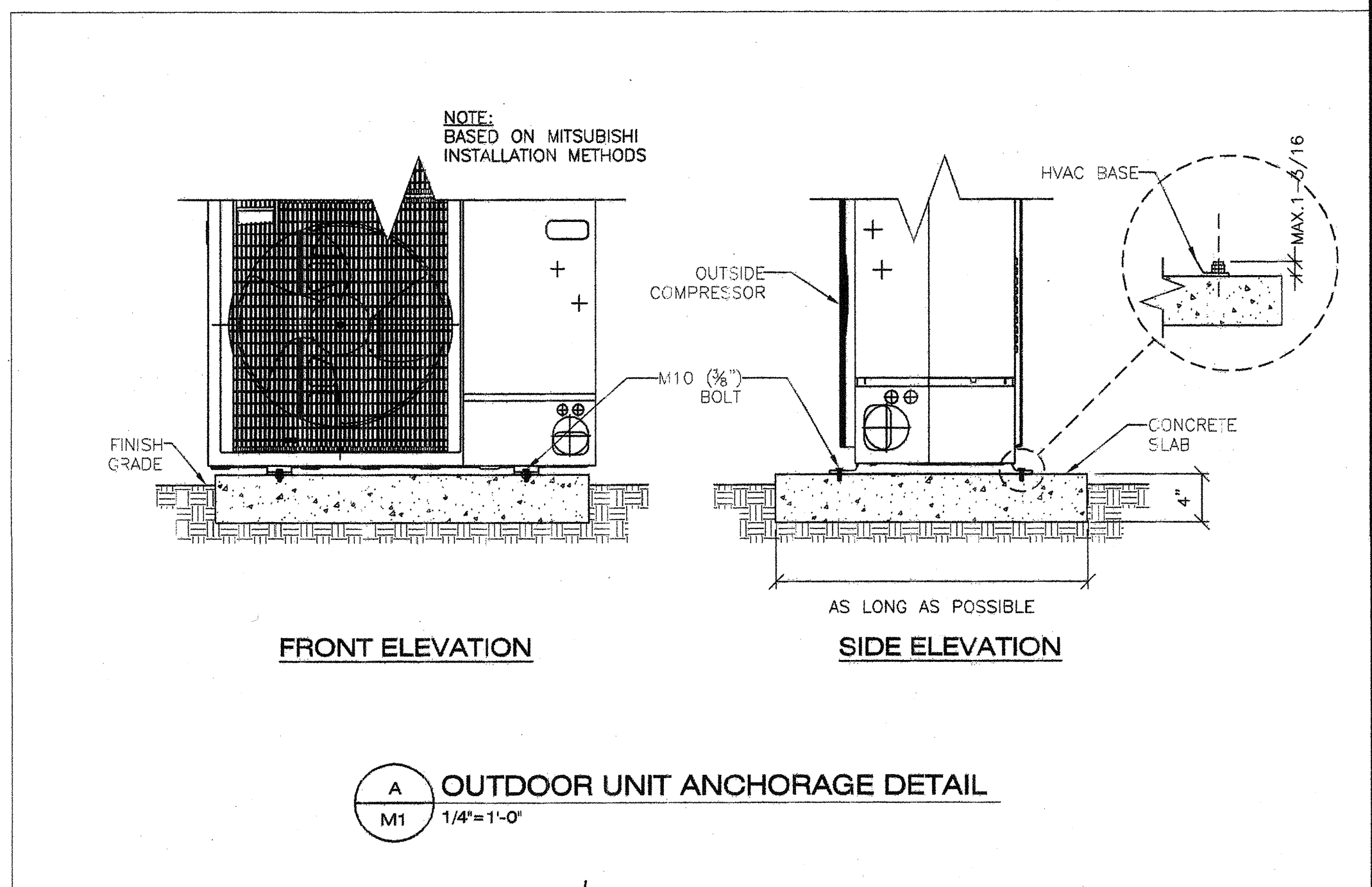
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APPROB 1 1 3 8 9 8
AC/FLS/SS
DATE JUL 18 2011

PROJECT No.
M1

- SHEET NOTES -**
- ① HVAC INDOOR UNIT
MITSUBISHI MODEL PAVY-P54E00A
160 LBS
 - ①A OUTSIDE CONDENSER UNIT
MITSUBISHI MODEL PUMY-P48NHMU
275 LBS REFER TO DETAIL A/M1
FOR ANCHORAGE
 - ② THERMOSTAT @ +60° SEALED
 - ③ MAIN RUNNER TYP AT 4'-0"
 - ④ CROSS RUNNER TYP
 - ⑤ INTERIOR LIGHT FIXTURE
REFER TO SHEET E1 FOR SPEC'S
 - ⑥ CEILING HEIGHT (REFER TO SHEET A3
FOR HEIGHTS)
 - ⑦ SPLY WIRE
SEE 4/M2 FOR DETAILS
 - ⑧ FIXED CEILING END
 - ⑨ FREE CEILING END
 - ⑩ AIR SUPPLY DIFFUSER
 - ⑪ RETURN AIR REGISTER @ WALL
 - ⑫ SOLATUBE TYP



① REFLECTED CEILING PLAN
M1 1/4"=1'-0"



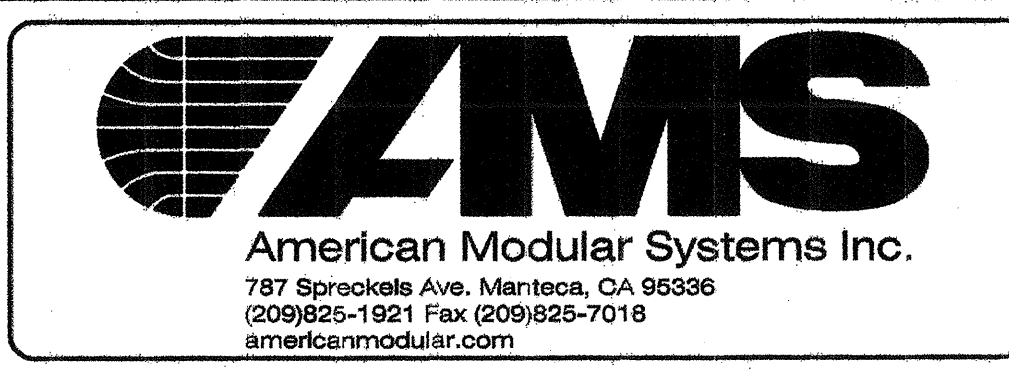
① OUTDOOR UNIT ANCHORAGE DETAIL
M1 1/4"=1'-0"

REVISIONS		
NO	DATE	DESCRIPTION

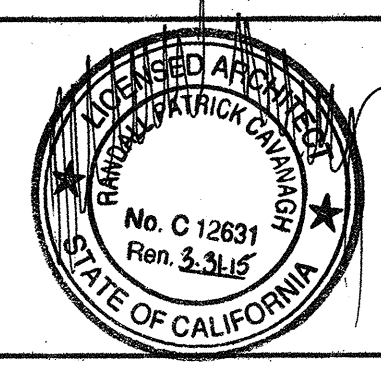
DATE: 02-21-11
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

40' x 32' GENERATION 7 PREFABRICATED BUILDINGS
REFLECTED CEILING PLAN



APPROVALS:

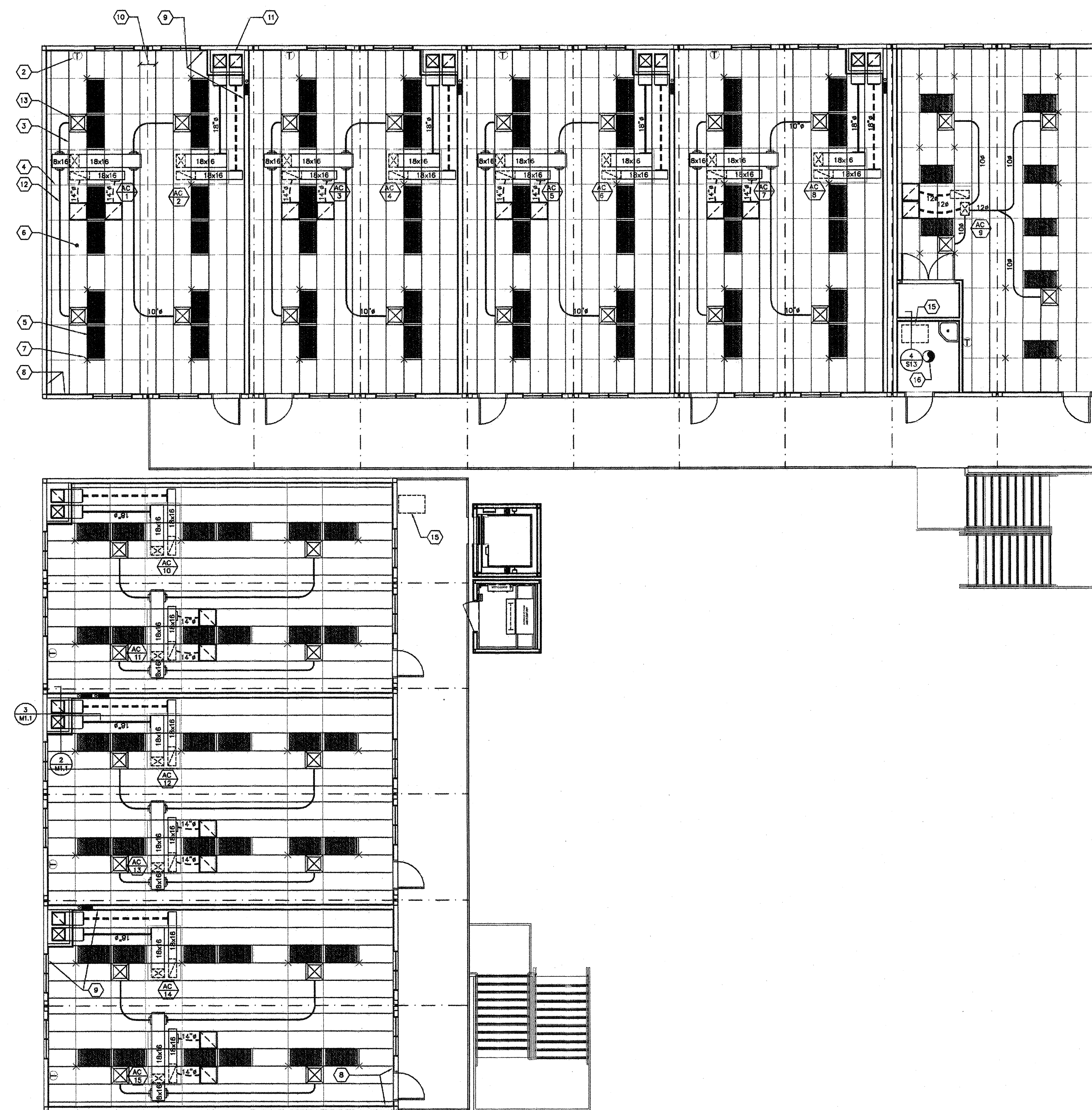
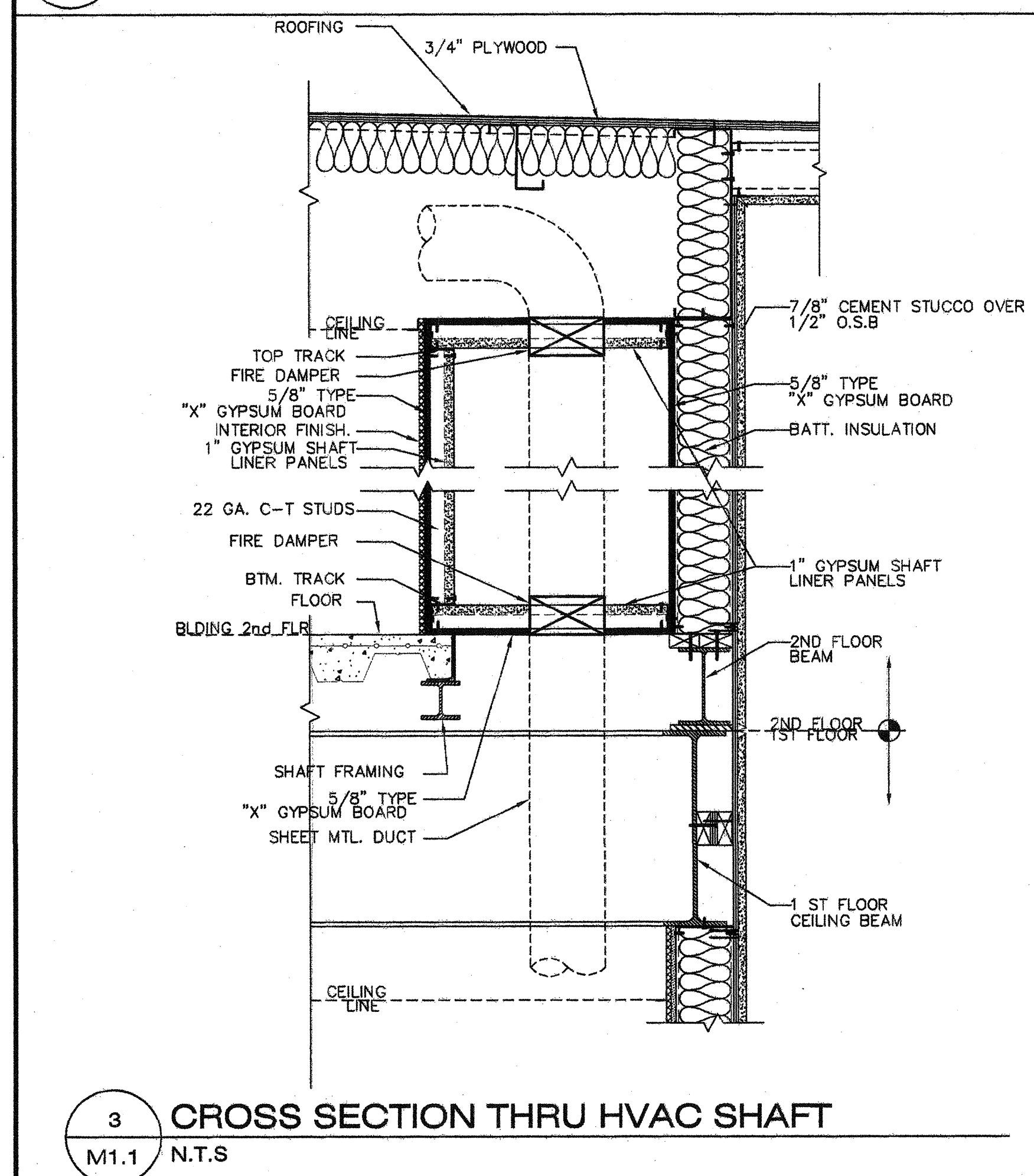
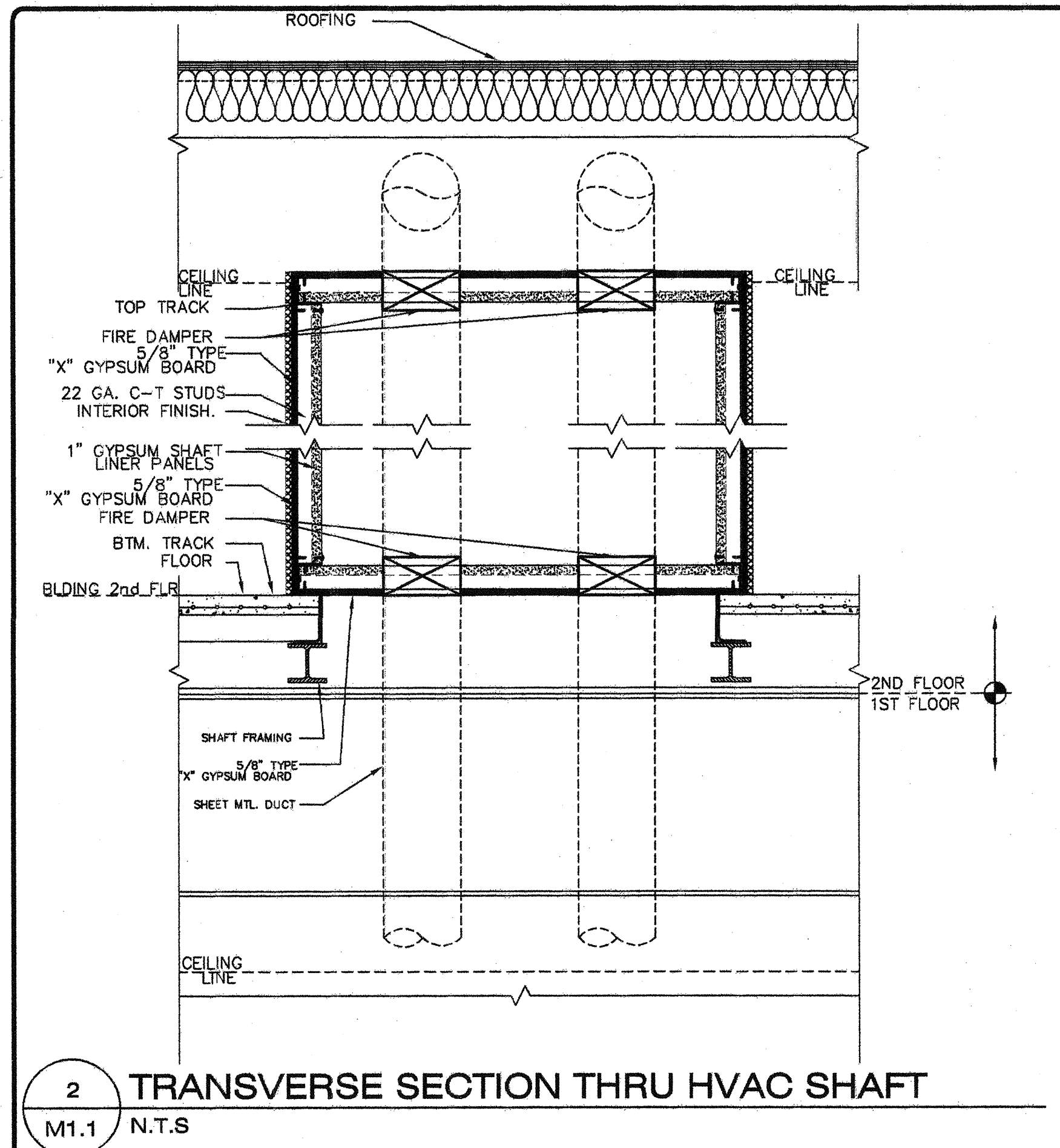


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APPROX 113828
AC/PLS/ST/1/88
DATE JUL 06 2011

PROJECT No.

M1

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- SHEET NOTES -
- 1 ROOF MOUNT TYPE HVAC UNIT
 - 2 THERMOSTAT @ +60" SEALED
 - 3 MAIN RUNNER TYP
 - 4 CROSS TEE TYP
 - 5 INTERIOR LIGHT FIXTURE REFER TO SHEET E1 FOR SPEC'S
 - 6 CEILING HEIGHT @ 9'-0" NOM
 - 7 SPLAY WIRE SEE 4/M2 FOR DETAILS
 - 8 FIXED CEILING END
 - 9 FREE CEILING END
 - 10 CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED
 - 11 UTILITY CHASE WALL @ UPPER STORY
 - 12 CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING
 - 13 TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE
 - 14 WALL MOUNTED EXHAUST DAMPER
 - 15 ROOF ACCESS AND LADDER
 - 16 100 CFM EXHAUST FAN

GA FILE NO. WP 6800 DESIGN
 ONE LAYER 1" x 24" PROPRIETARY TYPE "X" GYPSUM PANELS INSERTED BETWEEN 2nd FLOOR AND CEILING RUNNERS WITH T SECTION OF 2" STEEL C-T STUDS BETWEEN PANELS
 OPPOSITE SIDE: ONE LAYER 5/8" PROPRIETARY TYPE "X" GYPSUM WALLBOARD APPLIED PARALLEL TO STUDS WITH 1" TYPE S DRYWALL SCREWS 12" O.C

MARK	DESCRIPTION	TONS	VOLT/PHASE	MODEL
AC 1 THROUGH AC 15	ROOF MOUNTED AIR CONDITIONER	4	230/208 - 3ø	CARRIER 48ES

REVISIONS		
NO.	DATE	DESCRIPTION

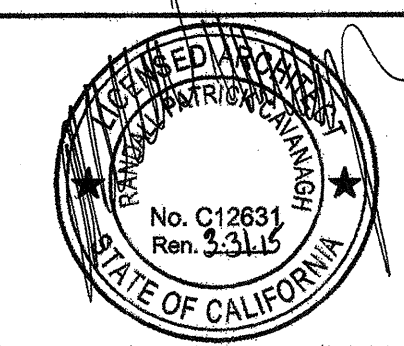
DATE: 02-11-11
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 GLENDALE UNIFIED SCHOOL DISTRICT
 KEPPEL ELEMENTARY SCHOOL

120'x40' AND 72'x40' 2 STORY RELOCATABLE BUILDINGS
 CEILING/MECHANICAL UPPER FLOOR



APPROVALS:



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 DIV. OF THE STATE ARCHITECT
 APPR 1 1 3 8 2 8
 AC 1/2 PLS 21 SS
 DATE JUL 0 6 2011

PROJECT No.
M1.1

1 TYPICAL MECHANICAL DETAIL SECTION
M2 3/16"=1'-0"

2 CEILING ATTACHMENTS DETAILS
M2 1 1/2"=1'-0"

3 CONNECTION TO PURLINS DETAILS
M2 1 1/2"=1'-0"

4 SPLEY WIRE DETAIL
M2 1 1/2"=1'-0"

5 GYPBOARD CEILING DETAIL W/WOOD STUDS
OPTIONAL
M2 1 1/2"=1'-0"

6 LIGHT FIXTURE ATTACHMENT DETAIL
M2 3/4"=1'-0"

7 ROOF CURB ELEVATION
OPTIONAL
M2 N.T.S.

8 WALL MOUNT HVAC ANCHORAGE
M2 N.T.S.

9 WATER HEATER SUPPORT DETAIL
FLOOR MOUNTED
M2 N.T.S.

10 INTERIOR HVAC ANCHORAGE
M2 N.T.S.

11 DRAFT STOP DETAIL
M2 1 1/2"=1'-0"

12 GYPBOARD CEILING DETAIL W/ STEEL STUDS
OPTIONAL
M2 1 1/2"=1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 11/01/09

SCALE: NOTED

DRAWN BY: D.M.

SERIAL NO.:

CUSTOMER:

30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
MECHANICAL BUILDING SECTION & CEILING DETAILS

787 Brockdale Ave., Manteca, CA 95336
(209)820-1821 Fax (209)820-7019
ams@ammodular.com

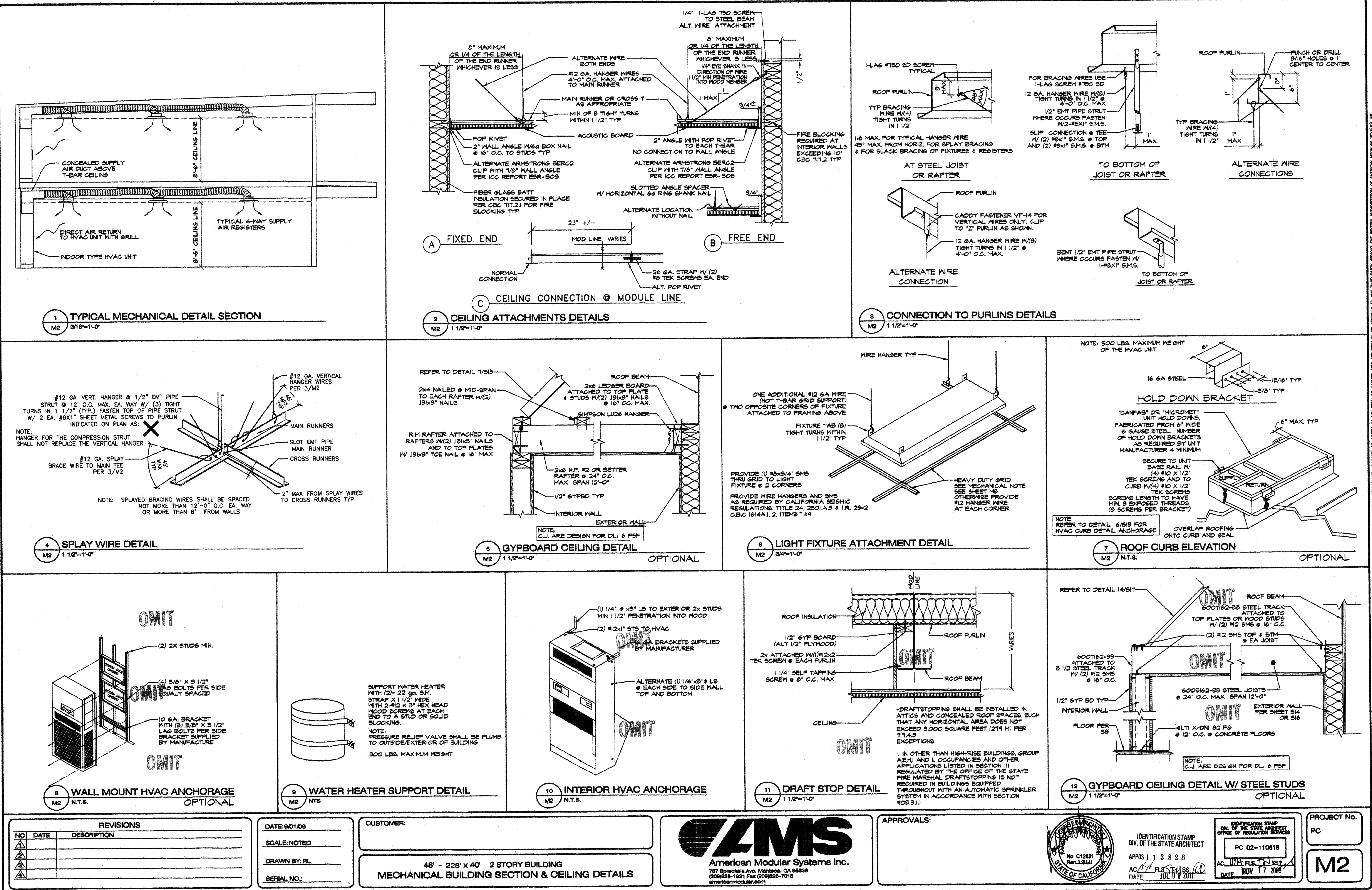
APPROVALS:

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APPROX 113828
DATE: JUL 8 2011

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DIV. OF THE STATE ARCHITECT
PC 02-110964
DATE: 12/9/09

PROJECT NO.

M2



REVISIONS		
NO.	DATE	DESCRIPTION

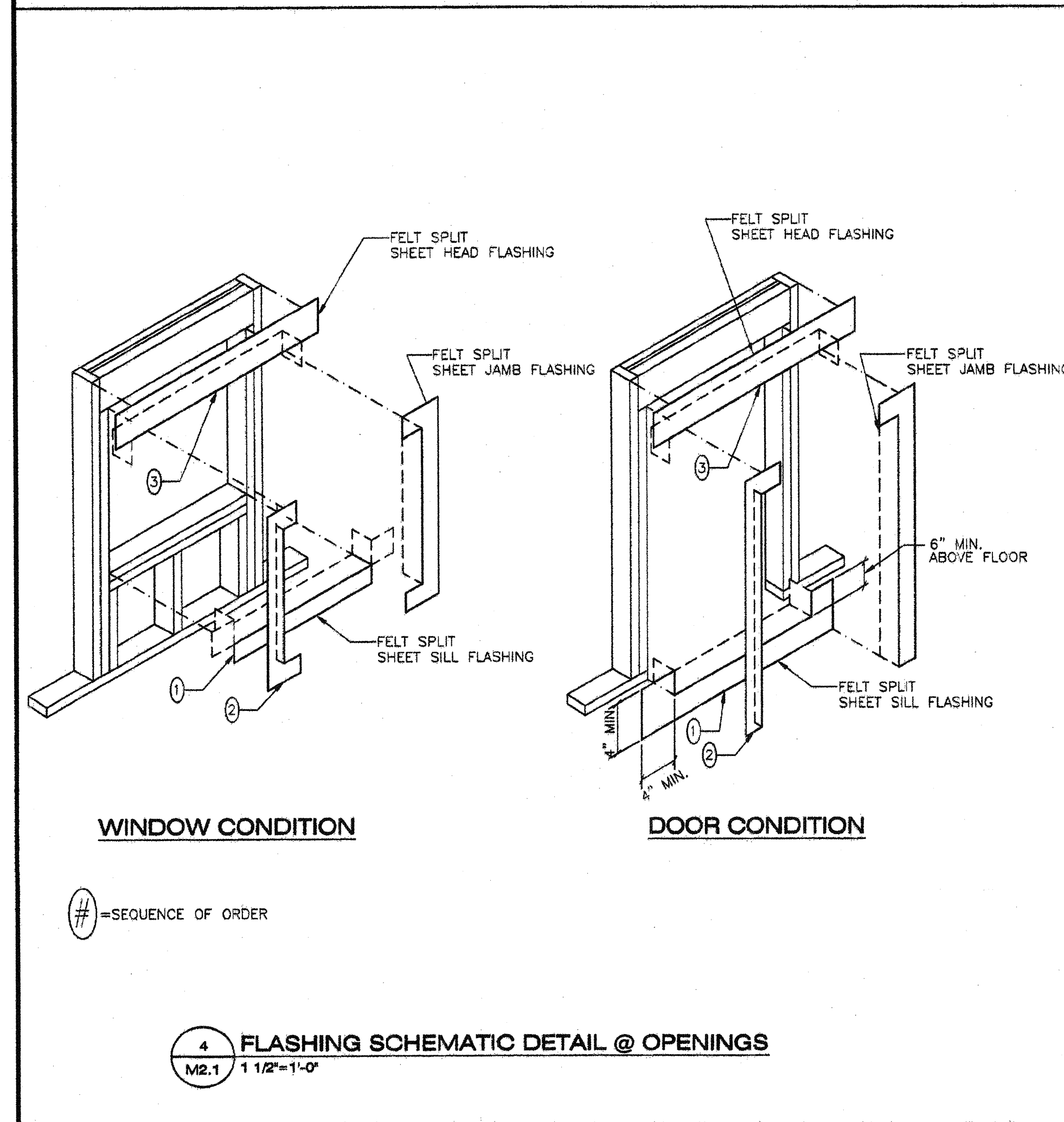
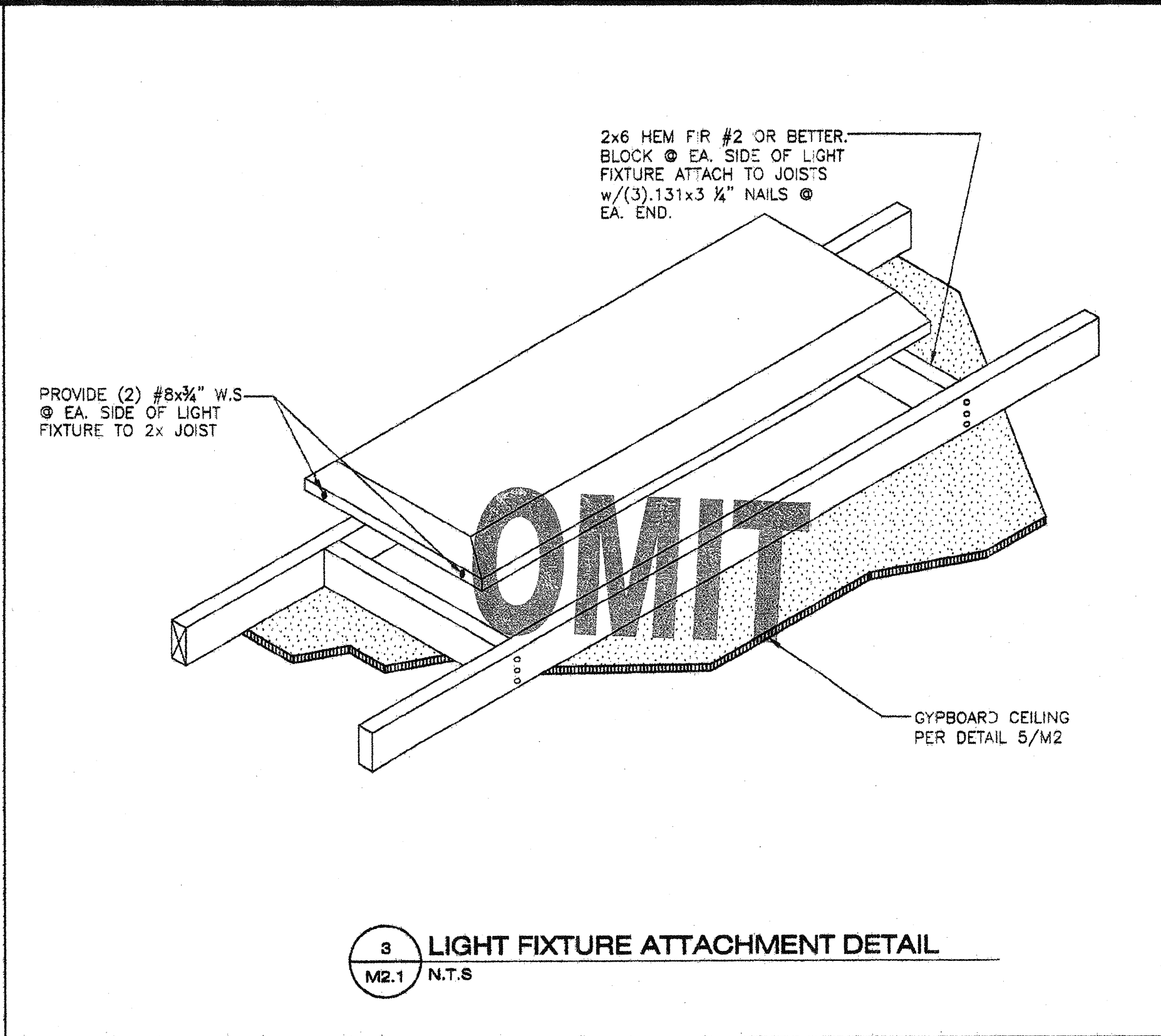
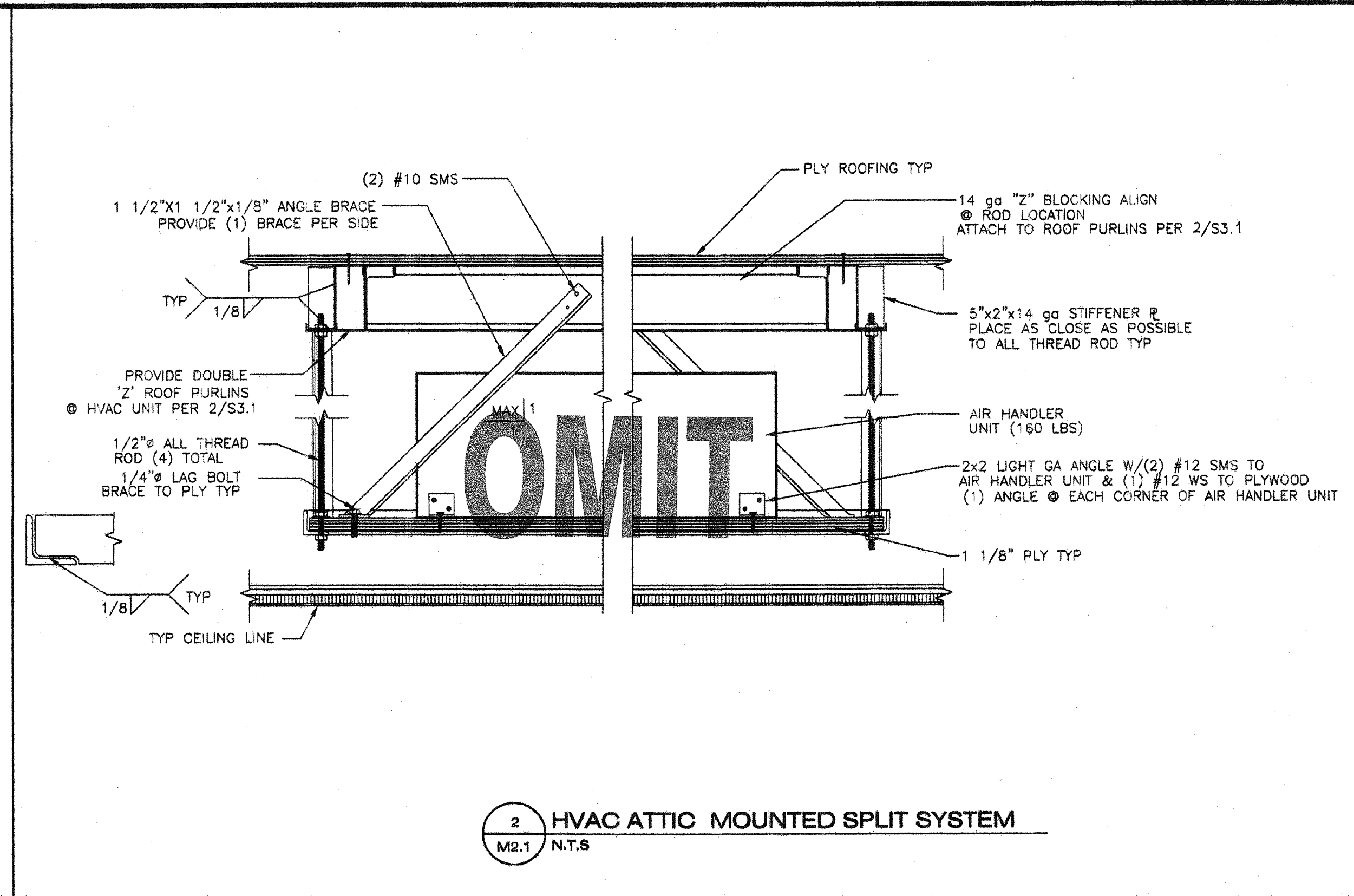
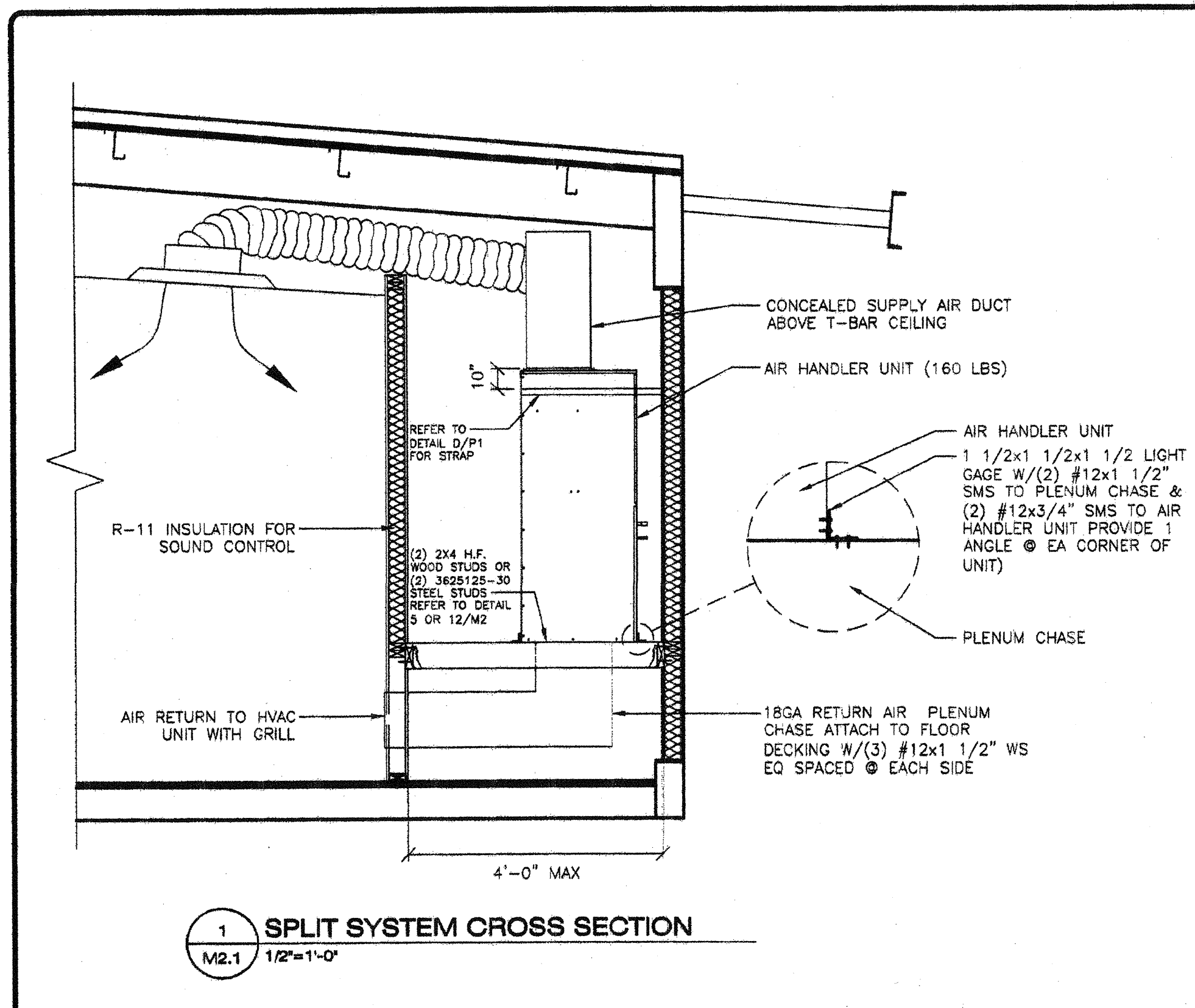
DATE: 9/01/09
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 48' - 228' x 40' 2 STORY BUILDING
 MECHANICAL BUILDING SECTION & CEILING DETAILS

APPROVALS:
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC 02-110818
 APPROX 1 3 8 2 8
 AC: WFL/SSS
 DATE: JUL 0 9 2011

PROJECT NO. PC
 M2

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REVISIONS		
NO	DATE	DESCRIPTION

DATE: 11/01/09
 SCALE: NOTED
 DRAWN BY: DM
 SERIAL NO.:

CUSTOMER:
 30' x 32' THRU 160' x 32' GENERATION 7 PREFABRICATED BUILDINGS
 MECHANICAL DETAILS

AMS
 American Modular Systems Inc.
 787 Spreckels Ave. Marietta, GA 30066
 (770) 925-1921 Fax (770) 925-7016
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APPROVALS:

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
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 Exp. 3-3-13
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 AC 11/11 FLS ST-1155 ED
 DATE JUL 11 2011

PROJECT No.
 PC
M2.1

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METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

- 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0" GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.
- PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
- CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 3/4 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 3/4 INCH CLEAR OF WALL.
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 1/2" DIA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED, WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
- PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 45 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACINGS:
 - FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
 - PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS.

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.

- FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
- SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC.
- ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS WITH SCREWS OR APPROVED FASTENERS AS REQUIRED TO RESIST A HORIZONTAL FORCE EQUAL TO THE FIXTURES.
- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 85 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.

- CLASSIFICATION OF CEILING GRID:
 - CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC OR DONNUSO PER ASTM C695
 - MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01 OR DX26
 - MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER CHICAGO METALLIC [214-01 OR DONN DX #16 CROSS TEES
 - MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A

ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" x 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

MANUFACTURER	MAIN TEE	1/2" x 4" CROSS TEE (H.D.)	2" CROSS TEE
DONNUSO	DX-26	DX-424	DX-216
ARMSTRONG	TBO	TB4	TB25
CHICAGO MET.	200-01	[214-01]	[226-01]

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

MODEL NUMBER	DESCRIPTION	MAX. CFM	UNIT WEIGHT LBS.
QH422-A	3 1/2 TON HEAT PUMP	1200	550
QH482-A	4 TON HEAT PUMP	1400	560
QH602-A	5 TON HEAT PUMP	1550	560

GENERAL NOTES

HEATING VENTILATING AND AIR CONDITIONING (HVAC)
 1. HEAT PUMP, SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARD 240-TT.
 BRANDS: BARD QH422-A000000X
 BARD QH482-A000000X
 BARD QH602-A000000X

MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT
 ALL UNITS SHALL BE 250/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE AND MEET CURRENT ENERGY STANDARDS.

- THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 75 DEGREES F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER.
- THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE THIRD FRESH AIR.

2. DUCTWORK
 A) CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C. ASHRAE GUIDE EQUIPMENT VOLUME AND SMAGNA LOW VELOCITY DUCT CONSTRUCTION MANUAL LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.

B) NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 2'-0" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE.
 REFERENCE BRANDS: OWENS-CORNING FIBERGLASS DUCTBOARD, 1" THICK, AND MICRO-AIRE, TYPE 475.
 NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMAGNA CLASS 1 RATINGS.

3. AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.

4. SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAX. 12" ROUND, 1" FIBERGLASS OR FLEXIDUCT DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS. 24"x26"x1" MICRO-AIRE TYPE #475 OWENS-CORNING, KNAUF, CERTANTEED, OR EQUAL AND 60-8. UL 181 TEST, CLASS 1 RATINGS WITH 'SMAGNA'.

5. REGISTERS AND DIFFUSERS. PROVIDE THREE (3) MIN 4-WAY THRU AIR DIFFUSERS AS MANUFACTURED CARNES, TITUS, HART AND COOLEY, METAL-AIRE, SHOEMAKER, BARBER-COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLS AND REGISTERS

6. AIR CONDITIONING CONTROLS.
 THERMOSTAT: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS:

- 3 AND 2 WEEKDAY/WEEKEND PROGRAMMING WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS FOR 24-HOUR PERIOD.
- KEY BOARD LOCKOUT SWITCH.
- PROGRAMMABLE DISPLAY.
- 2-HOUR OVERRIDE MINIMUM.
- STATUS INDICATED LED'S.
- BATTERY BACK-UP.

PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODGERS (P42-ST) MOUNT @ 460" W/COVER (SEALED-SEATING ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.) 449" UNSEALED.

7. THERMAL INSULATION
 A) ROOF INSULATION: R-14 UNFACED.
 B) WALLS INSULATION: R-13 KRAFT FACED.
 C) FLOOR INSULATION: CONCRETE FLOOR
 FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 714.

8. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF THE REFERENCED STANDARD FOR AIR DUCTS IN CHAPTER 17. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH THE REFERENCED STANDARD FOR AIR DUCTS IN CHAPTER 17 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND REQUIREMENTS OF UL STANDARD No. 6-5.

DUCT SUPPORT
 FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAP @ MAX 8'-0" O.C. ATTACH TO RAFTER 1/2 #8 SWS @ EACH END.
 SUPPLY AIR FLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAPS MIN. 2 PER FLENUM.
 SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 1/2" 6 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.
 SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 1/2" 6 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE DIFFUSER AND SUPPLY AIR BOX 1/2 #8 SWS.

9. FIREBLOCKING:
 SHALL BE PROVIDED IN THE FOLLOWING LOCATION

- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING PURSED SPACES, AT THE CEILING AND FLOOR LEVELS AND AT 10-FOOT (3048mm) INTERVALS BOTH VERTICAL AND HORIZONTAL. SEE CBC SECTION 717.2

ZONE	WALL	ROOFS	FLOORS
1-14 & 16	R-13	R-14	R-13
15	R-13	R-30	R-13

BUILDING SIZE	# OF HVAC		
	3 1/2 TON HVAC	4 TON HVAC	5 TON HVAC
48' x 48'	2		
12' x 40'	3		
48' x 40'	4		
120' x 40'	5		
120' x 40'	5		
144' x 40'	7		
168' x 40'	9		
192' x 40'	11		
216' x 40'	13		
238' x 40'	15		

MODEL NUMBER	DESCRIPTION	MAX. CFM	UNIT WEIGHT LBS.
30JX042	3 1/2 TON HEAT PUMP	1400	550
30JX048	4 TON HEAT PUMP	1450	575
30JX060	5 TON HEAT PUMP	1750	625

NO.	DATE	DESCRIPTION

DATE: 08/01/2009
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 48' - 228' x 40' 2 STORY BUILDING
 CEILING & MECHANICAL NOTES



APPROVALS:



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPG 1 1 3 8 2 8
 AC: FLS PH SS 40
 DATE: JUL 16 2010

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC 02-110818
 DATE: NOV 17 2009

PROJECT NO.
 PC
M3

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GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

1. GENERAL
 A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
 B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
 C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS 2007 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
 2. SCOPE OF WORK
 A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
 B. ALL REQUIREMENTS OF TITLES 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OR RECORD.
 2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
 3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
 4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
 5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
 6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
 7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
 11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
 FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
 14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF FOR WOOD FOUNDATIONS, 1500 P.S.F. FOR CON CRETE FOUNDATIONS EMBEDDED 12" MIN BELOW GRADE.
 2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL. APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.
 NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.
 WORK NOT INCLUDED:
 A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
 B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
 4. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
 5. ACCESSIBILITY OF SITE
 THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 5 STEEL

A. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALSO STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
 B. WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT.
 WELDING INSPECTION PER TITLE 24, PART 2, CORR. SECTION 1704A.3.1 WELDING ELECTRODE SHALL BE E70XX.
 ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER'S CERTIFICATIONS. PER SECTION 2211A.2.3, 2007 CBC
 1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36
 2. PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%
 3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
 4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
 C. ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
 D. NAILS, BOLTS, SCREWS AND NUTS ETC. - FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
 1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARTRIDGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO BOLT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
 E. HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
 F. SHOP PAINT
 1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.
 G. TESTS
 1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER 1-24 PART 2, CORR SECTION 2212A.1

SECTION 6A CARPENTRY

1. SCOPE OF WORK
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY
 2. MATERIALS
 LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 177" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER" 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION.
 EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
 A. JOISTS, STUDS, DOUGLAS FIR #4S #2 U.N.O.
 NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
 B. J.T. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR #4S #1
 C. BLOCKING - DOUG FIR #3, OR HEM FIR #3, OR STD. & BET.
 D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH. DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH SEC 2304.11.2 EACH PIECE SHALL BEAR ANWP STAMP, ANWP STANDARD U1 & T1 GROUND CONTACT, D.F.#2 ABOVE GROUND.
 E. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT.
 F. STUDS - S4S DOUG FIR #2, OR #2 HEM FIR, MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
 G. FASTENERS - NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2304.9.1.1 COMMON NAILS FOR EXT. SIDING & FEND. ONLY.
 H. BUILDING TRIM - 2X RESAWN SELECT D., H., F., OR CEDAR
 I. DOOR/WINDOW TRIM - 1X4 RESAWN D.F., H.F., OR CEDAR
 K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
 M. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 7:7
 N. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
 O. FOUNDATION LUMBER: ALL CUT ENDS AND ENDS IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOX".
 3. WORKMANSHIP
 A. FRAMING - SECURELY Nailed, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
 B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.9.1
 C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
 D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.

SECTION 7B SHEET METAL

1. SCOPE OF WORK
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
 2. MATERIALS
 A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 B. SOLDER - OF STAND, GRADE "A" OF EQUAL PARTS/RAND BRAND LEAD AND TIN ASTM B32.
 C. FLUX - ZINC SATURATED MURIATIC ACID.
 D. GUTTERS: 28 GA. G-90 GALV. STEEL.
 DOWNSPOUTS: 2"x3" CONVULGATED 30 GA. G-90 GALV. STEEL.
 GUTTER ENDCAPS: 28 GA. G-90 GALV. STEEL.
 GUTTER CLIPS: 18 GA. G-90 GALV. STEEL.
 3. WORKMANSHIP
 SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

1. SCOPE OF WORK
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 85 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
 2. MATERIALS
 A. ROOFING - 1 1/4" INCH STANDING SEAM MIN 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
 B. ALTERNATE: ROOFING - 3 INCH STANDING SEAM MIN 20-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
 C. ROOFING: CLASS B FIRE RATING
SECTION 7J SEALANT
 1. SCOPE OF WORK
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
 2. MATERIALS
 VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EGLESSEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
 3. WORKMANSHIP
 SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATER TIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION 8 CONCRETE

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-05
 2. THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS:
 SLABS ON GRADE & FOUNDATIONS 2500 PSI (150 PCF)
 CONCRETE OVER METAL DECK 3000 PSI (110 PCF)
 3. REINFORCING SHALL CONFORM TO ASTM A615--GRADE 40 UNO.
 4. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNO ON DRAWINGS:
 CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)3"
 CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS.....2"
 SLABS (ON GROUND).....2" POSITION IN CENTER OF SLAB
 5. ALL BARS SHALL HAVE A CLASS B MINIMUM SPLICE LAP UNO.
 6. NOTIFY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.

SECTION 8A EXTERIOR PLASTER

LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER. PER 2507.1
 LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN TABLE 2507.2 AND CHAPTER 35 AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 7, PER 2507.2
 GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2506.1 AND 2511.1, AND CHAPTER 35 PER 2506.1
 1. GENERAL NOTES
 PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
 2. MATERIALS
 A. DOORS - INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 1/8 GA. 1 3/4" THICK PER CS242 MIN. REINFORCE FOR HARDWARE - BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
 B. FRAMES - 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
 3. WORKMANSHIP
 ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION. DOORS AND FRAMES CLEANED THOROUGHLY. ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 9E PAINTING

1. SCOPE OF WORK
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
 2. MATERIALS
 A. FOR EXTERIOR WORK:
 REF. BRAND DUNN KELLY SHERWIN SINCLAIR
 EDWARDS MOORE WILLIAMS
 42-3M 1240 Y24W20 289-N
 QD-60-XX 1240-XXX B54W2102 GE2-NXX
 B. FOR INTERIOR TRIM
 DUNN KELLY SHERWIN SINCLAIR
 EDWARDS MOORE WILLIAMS
 W450-XX 1650-XXX A28W11 40XX
 C. FOR METAL
 REF. BRAND DUNN KELLY SHERWIN SINCLAIR
 EDWARDS MOORE WILLIAMS
 43-4 1710 B50N2 15N
 10-XX 1700-XXX B54W2102 GE2-NXX
 3. WORKMANSHIP
 ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
 EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
 INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
 INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
 D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYL FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
 FRAM - ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-910-984 DATED JULY 1999, OR EQUAL.
 F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK
 CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 2. ASSEMBLY OF ELEMENTS
 A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
 B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
 C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

SECTION 15A AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M3 FOR HVAC SPEC. AND NOTES)
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
 2. EQUIPMENT
 SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
 3. WORKMANSHIP
 UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
 A. PROVIDE CONDUIT WITH FULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYSTEM AND NOTIFICATION PER NFPA 72
 2. MATERIALS
 ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
 A. ELECTRIC METAL C/TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARIZED. EXTERIOR FLEX - GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
 B. PANELBOARDS - FLUSH MOUNTED.
 C. CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE - #14.
 D. RECEPTACLES - AS NOTED, +18" A.F.F. MIN.
 E. CLOCK RECEPTACLE - AS NOTED.
 F. SWITCHES - AS NOTED, +48" A.F.F. MAX.
 G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
 3. WORKMANSHIP
 MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING PACKING. CONDUIT AND CABLE PROTECTED AREAS FLASHED AND SEALED TO A WATER TIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.). (FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.
 1. IN-PLANT INSPECTION.
 2. ON-SITE INSPECTION.
 THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN-PLANT INSPECTOR APPROVED BY D.S.A.

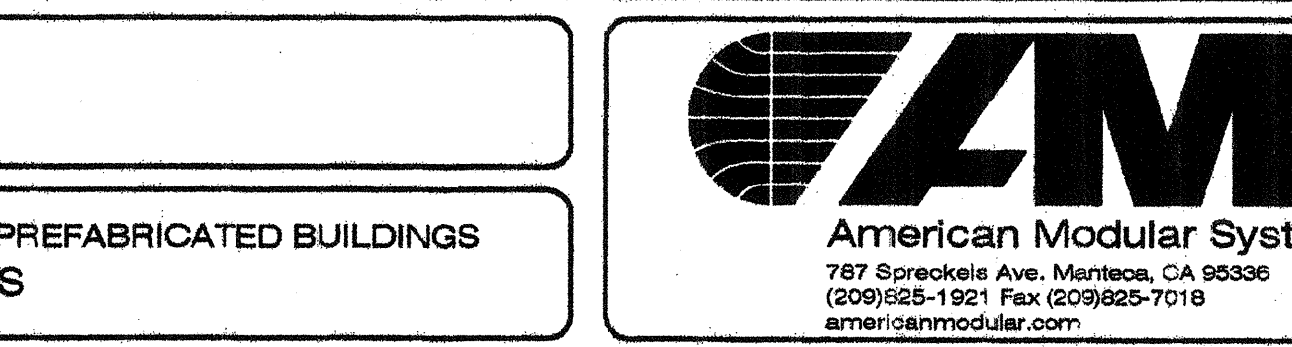
IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT IF NECESSARY.
 THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
 ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
 THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE BUILDING(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 11/01/09	CUSTOMER:
SCALE: NOTED	30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
DRAWN BY: D.M	GENERAL NOTES
SERIAL NO.:	



APPROVALS:	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APR 31 1 3 8 2 8 AC 112 FLS 7155 40 DATE JUL 0 8 2011
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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT PC 02-110864 AC 112 FLS 7155 40 DATE 12/9/09	PROJECT NO. N1
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GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

1. GENERAL
 - A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
 - B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
 - C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 14 AND 24 CALIFORNIA CODE OF REGULATIONS 2007 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
2. SCOPE OF WORK
 - A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
 - B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
 2. INSPECTION IN-PLANT DURING THE COURSE OF THE CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
 3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
 4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
 5. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
 6. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 7. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 8. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 9. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
 10. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 11. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 12. THE MANUFACTURER OF BUILDINGS IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", ON PAGE 10.
 13. FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
 14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARINGS: 1800 P.S.F. FOR CONCRETE FOUNDATIONS EMBEDDED 12" MIN BELOW GRADE.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL OR APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

WORK NOT INCLUDED:

- A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
- B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR MOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
4. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE
 - A. THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 5 STEEL

- A. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
- B. WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24 PART 2.2.2.2. SECTION 1704A.3.1. WELDING ELECTRODE SHALL BE E70XX.
- C. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREE F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER'S CERTIFICATION.
 1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36, EXCEPT WIDE FLANGE STEEL SHALL BE A112.
 2. PIPE COLLARS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
 3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. UNO.
 4. STRUCTURAL WELDING WIRE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
- D. ERECTION - STRUCTURAL STEEL ERECTED TRUE STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
- E. NAILS, BOLTS, SCREWS AND NUTS ETC. - FOR EXTERIOR WORK SHALL BE GALVANIZED OR GALVANNEAL.
 1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO BOLT SIZE. NUTS AND WASHERS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
 2. HANDRAILS - FABRICATED, AS DETAILED, WELDS GRIND SMOOTH.
 3. SHOP PAINT
 1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.
 4. TESTS
 1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2.2.2.2. SECTION 2212A.1

SECTION 6A CARPENTRY

1. SCOPE OF WORK
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.
 - B. MATERIALS
 1. LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 11" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER" EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR N.L.G.L.B. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PROJECT STANDARD P8-101 FOR SOFTWOOD PLYWOOD, OR AMERICAN PLYWOOD ASSOCIATION COMPLYING WITH 2007 C.B.C. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
 2. JOISTS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR #2 OR BETTER UNO. NOTED PER 1850 B IS MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
 3. H.F. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR #4S #1
 4. BLOCKING - DOUG FIR #5OR HEM FIR #5OR STD. # 1BET.
 5. SILLS AND LUMBER & SHIM FLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR OR HEM FIR #2 OR BETTER PRESSURE TREATED IN ACCORDANCE WITH CBC 2504.1.2 EACH PIECE SHALL BEAR AMPB STAMP. AMPA STANDARD U1 # 11 GROUND CONTACT, D.F.O.R. H.F.#2 ABOVE GROUND.
 6. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER OR 15 LB. FELT, PER 2007 CBC SECTION 1404.2.
 7. STUDS - 2x4 DOUG FIR #2, OR #2 HEM FIR, MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
 8. FASTENERS - NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2504.1.1. COMMON NAILS FOR EXT. SIDING & FRON. ONLY.
 9. BUILDING TRIM - 2x RESAWN SELECT D.F.H.F. OR CEDAR.
 10. DOOR/WINDOW TRIM - 1x4 RESAWN D.F.H.F. OR CEDAR.
 11. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
 12. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 717.
 13. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
 14. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
 15. ALL LUMBER USED THROUGHOUT THE BUILDING PROJECT SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%.
 2. WORKMANSHIP
 - A. FRAMING - SECURELY NAIL BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
 - B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.4.1.
 - C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
 - D. NAILS INTO P.T. LUMBER TO BE NOT DIPPED GALVANIZED.

SECTION 7B SHEET METAL

1. SCOPE OF WORK
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
 - B. MATERIALS
 1. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 2. SOLDER - OF STAND GRADE 'A' OF EQUAL PARTS BRAND LEAD AND TIN ASTM B32.
 3. FLUX - ZINC SATURATED FLUORINIC ACID.
 4. ANCHORS PER JAMB - ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/2" UNDERCOATING OR INSULATING FILL.
 5. WORKMANSHIP
 1. SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOR COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

1. SCOPE OF WORK
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING SYSTEM SHALL WITHSTAND THE UPLIFT OF A 85 MPH WIND.
 - B. MATERIALS
 1. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (90).
 2. ROOFING: CLASS B FIRE RATINGS MAY NOT BE PERMITTED IN W.U.I.

SECTION 8 CONCRETE

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-05
2. THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS:
 - A. SLABS ON GRADE & FOUNDATIONS 3000 PSI (150 MPA)
 - B. CONCRETE OVER METAL DECK 3000 PSI (150 MPA)
 - C. REINFORCING SHALL CONFORM TO ASTM A615-GR40 UNO.
 - D. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNO ON DRAWINGS: CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS) "3" CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS "2" CONCRETE SLABS ON GROUND "2"
 - E. ALL BARS SHALL HAVE A CLASS B MINIMUM SPLICE LAP UNO, PER 4/52A
 - F. NOTIFY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.

SECTION 8A EXTERIOR PLASTER

- LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER. PER 2507.1
- LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN TABLE 2507.2 AND CHAPTER 25 AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 25 PER 2507.2
- GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2506.1 AND 2507.1, AND CHAPTER 25 PER 2507.1
- 2510.6 WATER-RESISTIVE BARRIERS, WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AND REINFORCED IN SECTION 1404.2 AND, WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.
- EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT 60-MINUTE GRADE D PAPER AND IS SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NONWATER-ABSORBING LAYER OR DRAINAGE SPACE.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
 - B. MATERIALS
 1. MANUFACTURING COMPANY: 18 GA. 1 3/4" THICK PER C5242 MIN REINFORCE FOR HARDWARE - BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
 2. FRAMES - 18 GA. COLD ROLLED 2" FACES, C5242 MIN 3 ANCHORS PER JAMB - ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/2" UNDERCOATING OR INSULATING FILL.
 3. WORKMANSHIP
 1. ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING WITH SQUARE EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM HARP/VARIABLE OR OTHER DEFECTS AFTER FABRICATION DOORS AND FRAMES CLEANED THOROUGHLY. ALL WELDS GRIND SMOOTH AND WEATHER TIGHT.

SECTION 9 PAINTING

1. SCOPE OF WORK
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDINGS. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
 - B. MATERIALS
 1. FOR EXTERIOR WOOD:
 - A. PRIMER: 42-00 1240 Y24K20 284-N
 - B. FINISH: QD-60-XX 1240-XXX B54K2102 282-NXX
 2. FOR INTERIOR TRIM:
 - A. PRIMER: DUNN EDWARDS KELLY MOORE SHERWIN WILLIAMS SINCLAIR FINISH M450-XX 1650-XXX A26N1 40XX
 - B. FINISH: DUNN EDWARDS KELLY MOORE SHERWIN WILLIAMS SINCLAIR FINISH 43-4 1710 B50N26 15N
 - C. FINISH: 10-XX 1700-XXX B54K2102 282-NXX
 3. WORKMANSHIP
 1. ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
 2. EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BULDED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
 3. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
 4. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
 5. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYL FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
 6. RAMP - ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-418-88A DATED JULY 1984, OR EQUAL.
 7. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.
 - B. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 2. ASSEMBLY OF ELEMENTS
 - A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE STEEL SHIM PLATES AS DETAILED ON PLANS.
 - B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSPORTED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.

GENERAL NOTES

1. PLASTERING WITH GEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKINGS AS SPECIFIED IN SECTION 2510.5
2. THE FIRST COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND TO RECEIVE THE SECOND COAT.
3. THE SECOND COAT SHALL BE BROUGHT OUT TO PROPER THICKNESS, ROLLED AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER THAN 1/4 INCH (6.4 MM) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT EDGE.
4. THE FINISH COATS SHALL BE APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 426 THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.

SECTION 14A AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET MB FOR HVAC SPEC. AND NOTES)
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
 2. EQUIPMENT
 - A. SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
 3. WORKMANSHIP
 - A. UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK
 - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED PANELBOARD FIXTURES IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
 2. MATERIALS
 - A. ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
 - B. ELECTRIC METALLIC TUBING - COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERKARDIZED, EXTERIOR FLEX- GALV. STEEL 1/4" FACTORY APPLIED P.V.C. JACKET.
 - C. PANELBOARDS - FLUSH MOUNTED
 - D. CONDUCTORS - COPPER INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE #14.
 - E. RECEPTACLES - AS NOTED, #15" A.F.F. MIN.
 - F. SWITCHES - AS NOTED, #48" A.F.F. MAX.
 - G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
 3. WORKMANSHIP
 - A. MATERIALS AND EQUIPMENT INSTALLED IN A SECURE MANNER IN ACCORDANCE WITH ALL CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOF AREAS FLASHED AND SEALED TO A WATER TIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR (N.C.) FLEXIBLE CONDUIT 5-BEND SEALED ITED

INSPECTION

- INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.
1. IN-PLANT INSPECTION
 2. ON-SITE INSPECTION
- THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF FINAL APPROVAL TO OBTAIN AN IN-PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT INSPECTOR. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS AND ALL RECORDS UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM 566-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

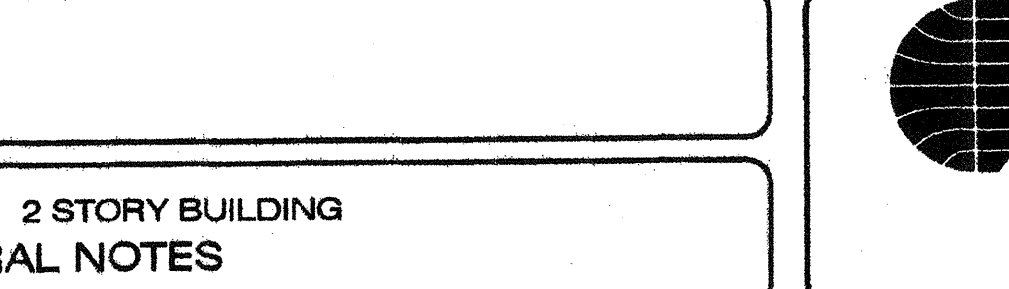
COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT IF NECESSARY. THIS CONTRACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULES. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

REVISIONS	
NO.	DESCRIPTION

DATE: 9/01/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:
CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
GENERAL NOTES



APPROVALS:
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 113828
DATE: JUL 06 2009

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
NO. C1293
REV. 5.11
DATE: NOV 17 2008

PROJECT NO. PC
N1

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MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

UP TO (15) APPROXIMATELY 10' x 32' MODULES DESIGNED SO THAT THREE MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"x1 1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

- 1. MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE ONE ON EXTERIOR AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LOGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 ga. porcelain steel facing SHEET SUITABLE TO ACCEPT DRY ERASE FLET MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 45#/cu. ft. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2-1/8" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4 x 8 PANELS INSTALLED SIDE BY SIDE TO MAKE A 4 x 16 PANEL, CENTERED ON THE LONG WALLS. REFERENCE BRANDS: CHATFIELD-CLARKE Co. inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

NOTE:

Table with 2 columns: WALL FINISH MATERIAL and PIPE INSULATION. Lists specifications for flame spread and smoke density for various materials.

INTERIOR

- 1. FLOOR: CARPETS - CLASSROOM SHALL BE CARPETED AS INDICATED ON FLOOR PLAN WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-XXXX-01, GROUP 1, TYPE A, CLASS 26. COLOR WILL BE SELECTED BY ARCHITECT AFTER AWARD OF BID. THE CARPET DENSITY SHALL BE 4600 MINIMUM. PILE YARN SHALL BE BRANDED NYLON. NO CROSS SEAMS SHALL BE ALLOWED. PILE HEIGHT 1/2" MAX
2. BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH (6" IN RESTROOM), MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURED BY JOHNSONITE CO., FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
3. INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD(U.O.N.) APPLIED IN ONE CONTINUOUS LENGTH FROM FLOOR TO CEILING. THE TACKBOARD SHALL BE INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUBSTITUTE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE, SHALL HAVE AN IRONED-ON COATING AND SHALL HAVE A MINIMUM DENSITY OF 18 LBS. PER FT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHALL BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR PLYWOOD SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS III FLAME SPREAD RATING. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABLE. CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH.
4. CEILING: SUSPEND T-BAR SYSTEM, SEE SHEET M2 FOR DETAILS ETC. MATERIALS AND INSTALLATION PER CCR 2501.A.5 AND IR #M-3 INCLUSIVE AS APPLICABLE TO CLASSROOMS.

DOORS AND WINDOWS

EXTERIOR DOORS: METAL DOORS - 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE 1 STEEL ASSEMBLED PER CS242 MIN AND REINFORCED WITH 20 GA. MIN. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES. DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A365 & CS242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR. EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LIGHTS OF GLASS AND THE AIR SPACE. GLAZING MATERIAL SHALL BE: EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED 1/4" - 1/8" GLASS OF SOLAR GRAY GLAZING REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4". SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OF SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774. HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREWS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR PLYWOOD SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI), COMMERCIAL GRADE.

HARDWARE

- 1. EXTERIOR DOOR
A) HINGES: HAGER 4-1/2x4-1/2 BUTTS, BB1279 US26D, 1-1/2 PAIR EACH DOOR WITH SET SCREW IN BARREL AND BALL BEARING DESIGN, OR APPROVED EQUAL.
B) EXTERIOR LOCKSET: SCHLAGE N070P CORBIN OR YALE OR EQUIVALENT, ALUM. FINISH, OR PANIC BARS/PULL HANDLE PANIC BAR TYPE VON DUPRIN 22L (PULL ON EXT.) OR CORBIN OR YALE OR EQUIVALENT, ALUM. FINISH. PANIC BARS ARE ONLY REQUIRED WHERE THE OCCUPANT LOAD IS 50 OR MORE.
C) CLOSER: NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. MAXIMUM 5 LBS FOR EXTERIOR AND INTERIOR DOORS. THE MAXIMUM EFFORT FOR FIRE DOORS MAY BE INCREASED TO THE MAXIMUM ALLOWED BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 5 LBS. THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES SHALL BE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
D) WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 299D, ULTRA W5007, AT DOOR JAMBS AND HEAD OR EQUAL.
E) THRESHOLD: THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
F) DOORSTOP: QUALITY #44, OR EQUAL.
D) INTERIOR LOCKSET: SCHLAGE LEVER HANDLE LOCKSET, AS FOLLOWS: STUDENT TOILETS S10A PASSAGE LATCH OR EQUAL OFFICES S700 CLASSROOM LOCKSET OR EQUAL CUSTODIAL S80A LOCKSET OR EQUAL PUBLIC TOILETS S40A PRIVACY LATCHSET OR EQUAL

FIRE EXTINGUISHER

- 1. EACH PORTABLE CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. TO BE MOUNTED ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE MOUNTING BRACKET AND THE BOTTOM OF FE MOUNTED 27" AFF. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

2007 CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CCR) SEC. 11038.1 BUILDING ACCESSIBILITY, GENERAL. THE 2007 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH ESCALATOR. TABLE 11198-1 SUGGESTED DIMENSIONS FOR CHILDREN'S USE. THE 2007 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK. SECTION 11198.3.1 ACCESSIBLE WATER CLOSET COMPARTMENT. THE 2007 CBC REQUIRES AN ACCESSIBLE TOILET STALL TO HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES. SECTION 11198.4.4.4 WATER CONTROLS. THE 2007 CBC REQUIRES THAT THE FORCE TO OPERATE A WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5 LBS. MAXIMUM FORCE (PULL). SECTION 11178.5 SIGNS AND IDENTIFICATION (ALSO REFER TO SECTIONS 11158.6, 11168, 1007.6.5, 1007.7, 1008.1.8.5, 1011.3, 1020.1.5 & 1020.1.6.1-5). THE 2007 CBC MAKES SEVERAL GENERAL DESIGN CHANGES AND CONFIGURATIONS TO SIGNAGE. *ALL GROUND FLOOR EXIT DOOR SHALL HAVE TACTILE EXIT SIGNAGE. *AT STAIRS, EACH FLOOR SHALL RECEIVE TACTILE "STAIR LEVEL" SIGNAGE IN ADDITION TO SPECIAL TACTILE AT THE EXIT DISCHARGE LEVEL. *EACH EXIT DOOR THAT LEADS TO A GRADE LEVEL EXIT BY MEANS OF A STAIRWAY SHALL HAVE TACTILE EXIT SIGNAGE. *EACH EXIT ACCESS DOOR TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN SHALL BE IDENTIFIED BY TACTILE EXIT SIGNAGE. SECTION 1129B ACCESSIBLE PARKING REQUIRED. THE 2001 CBC REQUIRES THE WORDS "NO PARKING", IN 12" HEIGHT WHITE LETTERS, TO BE PAINTED ON THE PAVEMENT WITHIN ALL PARKING SPACE ACCESS AISLES. VAN PARKING ACCESS AISLES SHALL BE PLACED ON THE PASSENGER SIDE OF THE VEHICLE. RAMP'S MAY NOT ENDOCRIN INTO ANY REQUIRED ACCESS AISLE. PARKING SPACE ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION. *EXISTING SITES: AT EXISTING SITES, ANY RAMP WHICH EXCEEDS A 2% SLOPE ACCESS AISLES FOR ACCESSIBLE PARKING SPACES PER CBCS SECTION 1129B, MAY REQUIRED REMOVAL AND REDESIGN PER THE PATH OF TRAVEL (POT) PROVISIONS OF CBCS SECTION 1134B, IN ORDER TO APPROVE THE BUILDING PLACEMENT. SECTION 1133B.2.3 CLOSER EFFORT TO OPERATE DOORS. THE 2007 CBC REQUIRES THAT THE EFFORT TO OPEN AN EXTERIOR DOOR SHALL NOT EXCEED 5 POUNDS (PULL). THE 2007 CBC REQUIRES THAT THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 3 SECONDS MAXIMUM, BASED ON AN OPEN DOOR POSITION OF 70 DEGREES (FROM CLOSED), TO A DOOR POSITION OF 3" FROM THE LATCH. SECTIONS 1133B.2.4.5 & 1133B.2.5.3 RECESSED DOORS. THE 2007 CBC REQUIRES THAT DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-33 (A). SECTION 1133B.4.2.4 HANDRAIL ORIENTATION. THE 2007 CBC SPECIFICS THAT AT LEAST ONE HANDRAIL SHALL BE PARALLEL TO THE DIRECTION OF THE STAIR RUN, AND PERPENDICULAR TO THE EDGE OF THE STAIR NOSING. SECTION 1133B.5.2 RAMP WIDTH: MINIMUM 48" CLEAR AT OCCUPANT LOAD 300 OR LESS, 60" CLEAR AT OCCUPANT LOAD MORE THAN 300. RADIUS MINIMUM OF 0.125". THE 2001 CBC REQUIRES THAT SIGN EDGES LESS THAN 80" ABOVE THE FINISHED FLOOR MUST CONTAIN ROUNDED OR EASED RADIUS MINIMUM OF 0.125". THE PROJECT PLANS OR SPECIFICATIONS SHALL INDICATE THE REQUIREMENT THAT THE MANUFACTURER SHALL PROVIDE A WRITTEN FIVE-YEAR PRODUCT WARRANTY, IN ACCORDANCE WITH THE BULLETIN.

LIGHT GAUGE METAL STUDS

- 1. ALL GALVANIZED STUDS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE 2001 AISI/COS/ANSI.
2. ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A 653.
3. GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 653. PRODUCTS WILL BE FURNISHED WITH A G-60 OR EQUIVALENT COATING IF SPECIFIED AND ORDERED TO BE IN CONFORMANCE WITH ASTM G-955 OTHERWISE, G-40 OR EQUIVALENT COATING WILL BE PROVIDED.

METAL FLOOR DECK

- 1. SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI "S" SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION."
2. METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AWS D11.1 AND D11.3 "SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES."
3. ASTM REFERENCE NUMBERS: A) ASTM A653, STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS. STRUCTURAL (PHYSICAL) QUALITY.
4. STEEL DECK INSTITUTE (SDI)-METAL FLOOR DECK PROFILES SHALL BE IN CONFORMANCE WITH SDI STANDARDS.
5. METAL FLOOR DECK TO BE ASC STEEL DECK 1. 3-W, 18 GAUGE 3" DEEP X 36" WIDE
6. DECK UNITS ARE TO BE FABRICATED FROM SHEET STEEL CONFORMING TO ASTM A653, Fy=38 KSI WITH A GALVANIZED COATING, G-60 OR G-90.

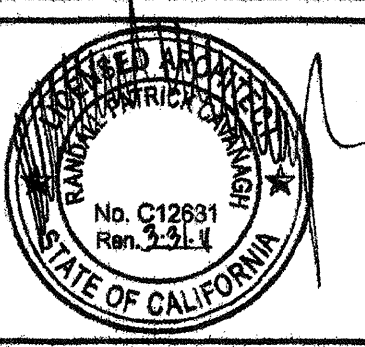
Table with 3 columns: NO, DATE, DESCRIPTION. Contains revision entries.

Table with 2 columns: DATE, SCALE, DRAWN BY, SERIAL NO. Contains project metadata.

CUSTOMER: 30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS GENERAL NOTES



APPROVALS: [Signature area]



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APPG 113828 AC 107 FLS-C-SS-87 DATE 10/16/09

PROJECT NO. N2

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, COPIED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE LOANED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED UNLESS OTHERWISE SPECIFIED SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

UP TO (N) APPROXIMATELY 12' x 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3" X 1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

2 TAGS PER MODULE ONE ON EXTERIOR AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF. NOT PART OF DSA REVIEW AND APPROVAL.

EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE SUPPORTED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE DISTRICT ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE. NOT PART OF DSA REVIEW AND APPROVAL.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 GA. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FLET MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 45#/C.F. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDINGS AND CHALKRAIL WITH A MINIMUM OF 2-1/8" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4 X 8 PANELS INSTALLED SIDE BY SIDE TO MAKE A 4 X 16 PANEL, CENTERED ON THE LONG WALLS. REFERENCE BRANDS: CHATFIELD-CLARKE Co. INC. SERIES 500 OR NELSON ADAMS Co. NAGO SERIES 60. ATTACH TO STUDS WITH NO. 8X3 SCREWS @ 32" O.C.

NOTE:

WALL FINISH MATERIAL FLAME SPREAD MAX = 200 SMOKE DENSITY MAX = 450	PIPE INSULATION FLAME SPREAD MAX = 25 SMOKE DENSITY MAX = 450
BUILDING INSULATION FLAME SPREAD MAX = 25 SMOKE DENSITY MAX = 450	DUCT INSULATION FLAME SPREAD MAX = 25 SMOKE DENSITY MAX = 50

INTERIOR

1. FLOOR: CARPETS - CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP I, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN. (CARPET SHALL BE SECURELY ATTACHED, HAVE FIRM CUSHION, PAD OR BACKING OR NONE AT ALL AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT FILE OR LEVEL-CUT/UNCUT FILE TEXTURE. THE MAXIMUM FILE HEIGHT SHALL BE 1/2" INCH. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 1124B.5) GROUP I, TYPE A, CLASS 26. COLOR WILL BE SELECTED BY ARCHITECT AFTER AWARD OF BID. THE CARPET DENSITY SHALL BE 4600 MINIMUM. PILE SHALL BE BRANDED NYLON. NO CROSS SEAMS SHALL BE ALLOWED, PILE HEIGHT 1/2" MAX.
2. BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/2" THICK, 4" HIGH MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURED BY "JOHNSONITE CO." FLEXGOS OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
3. TACKBOARD: TACKBOARD SHALL BE INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUBSTITUTE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE, SHALL HAVE AN IRONED-ON COATING AND SHALL HAVE A MINIMUM DENSITY OF 10 LBS. PER FT. THE VINYL COATING SHALL BE MADE OF VIRSIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHALL BE MECHANICALLY LAMINATED WITH THE LONG EDGES PREPARED TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR PLYWOOD SHEATHING. THE VINYL COATING SHALL HAVE A CLASS III FLAME SPREAD RATING. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRANDS: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABLE. CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH. CEILING: SUSPEND T-BAR SYSTEM, SEE SHEET NO. FOR DETAILS. MATERIALS AND INSTALLATION PER ASTM C 635, ASTM C 636 AND IR 25-2 INCLUSIVE AS APPLICABLE TO CLASSROOMS.
4. PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR GLASS AND AIR SPACE. GLAZING MATERIAL SHALL BE EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. INTERIOR LITE - 1/2" MINIMUM CLEAR TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4". SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL. SEALER - BUTYL, PRIMARY SEAL AND POLYURETHANE OF SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZINGS TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-714. HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR PLYWOOD SURFACE. ALL WINDOWS SHALL MEET THE AAMA 56101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI), COMMERCIAL GRADE.

DOORS & WINDOWS

EXTERIOR DOORS: METAL DOORS - 3'-0" X 7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER C5242 MIN AND REINFORCED WITH 20 GA. MIN. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH PAGES FOR CLOSURE) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A366 & C5242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (S) ANCHORS PER JAMBS PLUS ADJUSTABLE FLOOR ANCHOR. EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LIGHTS OF GLASS AND THE AIR SPACE. GLAZING MATERIAL SHALL BE EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. INTERIOR LITE - 1/2" MINIMUM CLEAR TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4". SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL. SEALER - BUTYL, PRIMARY SEAL AND POLYURETHANE OF SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZINGS TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-714. HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR PLYWOOD SURFACE. ALL WINDOWS SHALL MEET THE AAMA 56101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI), COMMERCIAL GRADE.

HARDWARE

- A) HINGES: HAGER 4-1/2X4-1/2 BUTTS, 88127H US260 1/2" PAIR EACH DOOR WITH SET SCREW IN BARREL AND BALL BEARING DESIGN OR APPROVED EQUAL.
- B) EXTERIOR LOCKSET: SCHLAGE NDTOPD CORBIN OR YALE OR EQUIVALENT. ALUM. FINISH. OR PANIC BARS/FULL HANDLE PANIC BAR TYPE VON DUREIN 22L (PULL OR EXT) OR CORBIN OR YALE OR EQUIVALENT. ALUM. FINISH. PANIC BARS ARE ONLY REQUIRED WHERE THE OCCUPANT LOAD IS 50 OR MORE.
- C) CLOSER: NORITON 2800CA OR 2800CP SERIES, LCN 1460 DEL. SERIES OR EQUAL. MAXIMUM 5 LBS FOR EXTERIOR AND INTERIOR DOORS. THE MAXIMUM EFFORT FOR FIRE DOORS MAY BE INCREASED TO THE MAXIMUM ALLOWED BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS. THE SWEEP PERIOD FROM AN OPEN POSITION OF 10 DEGREES SHALL BE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- D) WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PENKO 249D, ULTRA NSOOT, AT DOOR JAMBS AND HEAD OR EQUAL.
- E) THRESHOLD: THRESHOLD SHALL BE PENKO 271 1/4" X 5" ALUMINUM WITH PENKO 216 1/4" X 1/4" X 1/4" DOOR BOTTOM.
- F) DOORSTOP: QUALITY #44, OR EQUAL.
- G) INTERIOR LOCKSET: SCHLAGE LEVER HANDLE LOCKSET, AS FOLLOWS: STUDENT TOILETS: S10A PASSAGE LATCH OR EQUAL. OFFICES: S70D CLASSROOM LOCKSET OR EQUAL. CUSTODIAL: S80A LOCKSET OR EQUAL. PUBLIC TOILETS: S40A PRIVACY LATCHSET OR EQUAL.

FIRE EXTINGUISHER

EACH PORTABLE CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A:10BC UL RATINGS. TO BE MOUNTED ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE MOUNTING BRACKET AND THE BOTTOM OF FE MOUNTED 21" AFF. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

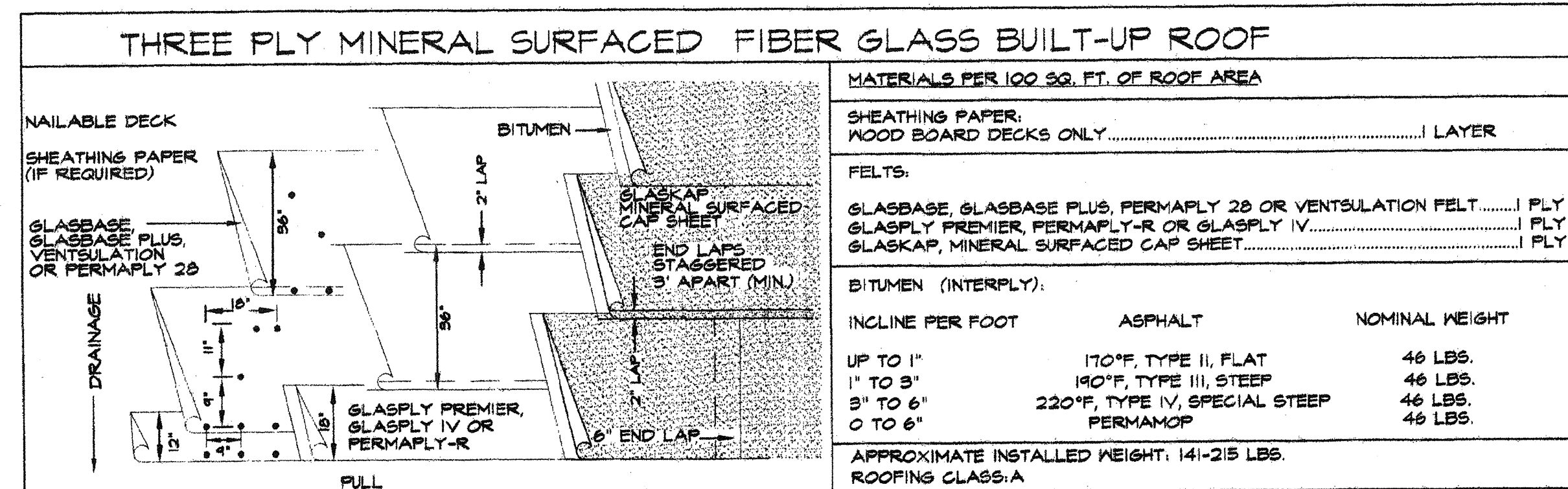
2007 CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CCR) SEC. 1109B1 BUILDING ACCESSIBILITY, GENERAL. THE 2007 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH STAIR AND EACH ESCALATOR. TABLE 1109B-1 SUGGESTED DIMENSIONS FOR CHILDREN'S USE. THE 2007 CBC REQUIRES A 21" MINIMUM DIMENSION FOR LAVATORY/SINK CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK. SECTION 1109B.3.1 ACCESSIBLE WATER CLOSET COMPARTMENT. THE 2007 CBC REQUIRES AN ACCESSIBLE TOILET STALL TO HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST, EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS. A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES. SECTION 1109B.4.4. WATER CONTROLS. THE 2007 CBC REQUIRES THAT THE FORCE TO OPERATE A WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5LBS. MAXIMUM FORCE (PULL). SECTION 1109B.5 SIGNS AND IDENTIFICATION. (ALSO REFER TO SECTIONS 1109B.6, 1109B.1007 & 5.1007.1, 1009B.1.6.6, 1011.3, 1020.1.5 & 1020.1.6.1-5) THE 2007 CBC MAKES SEVERAL GENERAL DESIGN CHANGES AND CLARIFICATIONS TO SIGNAGE. *ALL SECOND FLOOR EXIT DOOR SHALL HAVE TACTILE EXIT SIGNAGE. *AT STAIRS, EACH FLOOR SHALL RECEIVE TACTILE "STAIR LEVEL" SIGNAGE IN ADDITION TO SPECIAL TACTILE AT THE EXIT DISCHARGE LEVEL. *EACH EXIT DOOR THAT LEADS TO A GRADE LEVEL EXIT BY MEANS OF A STAIRWAY SHALL HAVE TACTILE EXIT SIGNAGE. *EACH EXIT ACCESS DOOR TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN SHALL BE IDENTIFIED BY TACTILE EXIT SIGNAGE. SECTION 1109B.6 ACCESSIBLE PARKING REQUIRED. THE 2007 CBC REQUIRES THE WORDS "NO PARKING", IN 12" HEIGHT WHITE LETTERS, TO BE PAINTED ON THE PAVEMENT WITHIN ALL PARKING SPACE ACCESS AISLES. VAN PARKING ACCESS AISLES SHALL BE PLACED ON THE PASSENGER SIDE OF THE VEHICLE. RAMP SHALL NOT ENDOURCH INTO ANY REQUIRED ACCESS AISLE. PARKING SPACE ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION. *EXISTING SITES: AT EXISTING SITES, ANY RAMP WHICH EXCEEDS A 2% SLOPE ACCESS AISLES FOR ACCESSIBLE PARKING SPACES PER CBCS SECTION 1109B.6, MAY REQUIRED REMOVAL AND REDESIGN PER THE PATH OF TRAVEL (POV) PROVISIONS OF CBCS SECTION 1109B.6, IN ORDER TO APPROVE THE BUILDING PLACEMENT. SECTION 1109B.2.3 CLOSER EFFORT TO OPERATE DOORS. THE 2007 CBC REQUIRES THAT THE EFFORT TO OPEN AN EXTERIOR DOOR SHALL NOT EXCEED 5 POUNDS (PULL). THE 2007 CBC REQUIRES THAT THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 3 SECONDS MAXIMUM, BASED ON AN OPEN DOOR POSITION OF 10 DEGREES (FROM CLOSED), TO A DOOR POSITION OF 3" FROM THE LATCH. SECTIONS 1109B.2.4.5 & 1109B.2.5.5 RECESSED DOORS. THE 2007 CBC REQUIRES THAT DOORS RECESSED 6" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 1109B-5 (A). SECTION 1109B.2.4 HANDRAIL ORIENTATION. THE 2007 CBC SPECIFIES THAT AT LEAST ONE HANDRAIL SHALL BE PARALLEL TO THE DIRECTION OF THE STAIR RUN, AND PERPENDICULAR TO THE EDGE OF THE STAIR NOSING. SECTION 1109B.5.2 RAMP WIDTH. MINIMUM 48" CLEAR AT OCCUPANT LOAD 300 OR LESS, 60" CLEAR AT OCCUPANT LOAD MORE THAN 300. RADIUS MINIMUM OF 0.125". THE 2007 CBC REQUIRES THAT SIGN EDGES LESS THAN 80" ABOVE THE FINISHED FLOOR MUST CONTAIN ROUNDED OR EASED RADIUS MINIMUM OF 0.125". THE PROJECT PLANS OR SPECIFICATIONS SHALL INDICATE THE REQUIREMENT THAT THE MANUFACTURER SHALL PROVIDE A WRITTEN FIVE-YEAR PRODUCT WARRANTY, IN ACCORDANCE WITH THE BULLETIN.

LIGHT GAUGE METAL STUDS

1. ALL GALVANIZED STUDS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE 2001 AISI/COS/ANSI.
2. ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A 101.
3. GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 101 PRODUCTS WILL BE FURNISHED WITH A G-60 OR EQUIVALENT COATING IF SPECIFIED AND ORDERED TO BE IN CONFORMANCE WITH ASTM G-495 OTHERWISE, G-40 OR EQUIVALENT COATING WILL BE PROVIDED.

METAL FLOOR DECK

1. SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI "S" SPECIFICATION FOR DESIGN OF GOLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION.
2. METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AISI D1 AND D13 "S" SPECIFICATION FOR ROLLING SHEET STEEL IN STRUCTURES.
3. ASTM REFERENCE NUMBERS: A) ASTM A659 STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS. STRUCTURAL (PHYSICAL) QUALITY.
4. STEEL DECK INSTITUTE (SDI)-METAL FLOOR DECK PROFILES SHALL BE IN CONFORMANCE WITH SDI STANDARDS.
5. METAL FLOOR DECK TO BE AISC STEEL DECK
A. B-36, 18 GAUGE
1 1/2" DEEP X 36" WIDE
B. N-24, 18 GAUGE
8" DEEP X 24" WIDE
C. B-18, 18 GAUGE
5" DEEP X 36" WIDE
6. DECK UNITS ARE TO BE FABRICATED FROM SHEET STEEL CONFORMING TO ASTM A659, F438 (KSI) WITH A GALVANIZED COATING, G-60 OR G-40.



REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 10-12-09

SCALE: NOTED

DRAWN BY: RL

SERIAL NO.:

CUSTOMER:

48' - 228' x 40' 2 STORY BUILDING
GENERAL NOTES



APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

NO. C1283
REV. 5.4.11
DATE: JUL 08 2011

PROJECT NO.
PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

NO. C1283
REV. 5.4.11
DATE: NOV 17 2009

N2

BASIS OF DESIGN

DESIGN PARAMETERS		BUILDING DATA	
ROOF LIVE LOAD	20 PSF	CONSTRUCTION CLASSIFICATION	TYPE II-B
SNOW CRITERIA	ps = 22 pcf Cs = 1.1 Ct = 1.2 I = 1 Qs = 1 ps = 20 pcf	OCCUPANCY CLASSIFICATION	A-2
DESIGN ROOF DEAD LOAD	5 PSF	NO. OF STORES	1
WIND CRITERIA (ASCE 7-05, METHOD 2)	100 MPH 3 SEC. GUST, EXPOSURE C, I=1, Kzt=1	BUILDING AREA	400 SF
SEISMIC COEFFICIENT S _s	1.5	ROOF FIRE CLASSIFICATION	CLASS B - NOT ALLOWED WITHIN ANY FIRE HAZARD SEVERITY ZONE
SEISMIC COEFFICIENT S ₁	1.5	STRUCTURAL DATA	
R	1.3	LATERAL RESISTING SYSTEM	STEEL ORDINARY MOMENT RESISTING FRAMES, R=3.5
SOIL DESIGN BEARING STRENGTH	1000 PSF	FOUNDATION SYSTEM	DRILLED CONCRETE PIERS
SEISMIC DESIGN CATEGORY	E	MINIMUM SEISMIC SEPARATION	2"
SEISMIC IMPORTANCE FACTOR	1	FLOOD CRITERIA	NOT DESIGNED FOR FLOOD LOADS
SEISMIC SITE CLASS	D		

STRUCTURAL TESTING AND INSPECTION GUIDELINE

A SEPARATE TEST & INSPECTION IS TO BE SUBMITTED FOR A SPECIFIC PROJECT. THIS GUIDE DOES NOT REPLACE THE TEST & INSPECTION LIST DSA FORM 103.

MATERIAL TYPE	DESCRIPTION	
CONCRETE FOUNDATION	MIX DESIGN	X
	WAIVER OF BATCH PLANT INSPECTION	X
	INSPECT PLACING - BY PROJECT INSPECTOR	X
	INSPECT PLACING - BY PROJECT INSPECTOR	X
	SUMP TEST, DETERMINE TEMPERATURE OF CONCRETE	X
	COMPRESSION TESTS	X
REINFORCING STEEL	SAMPLE AND TEST BAR STEEL #5 AND LARGER	X
	INSPECT PLACING - BY PROJECT INSPECTOR	X
STRUCTURAL STEEL	MFR. CERTIFIED MILL TEST REPORTS	X
	INSPECTION OF WELDS - SHOP	X
	SAMPLE AND TEST ALL UNWELDED STEEL AND DECK	X
	EXAMINE SEAM WELDS OF STRUCTURAL TUBES AND PIPES	X
	INSPECTION OF U.S. BOLT INSTALLATION	X
	TESTING OF HIGH STRENGTH BOLTS	X

NOTE 1
VERIFY THAT EITHER CONDITION A OR B ARE MET:
A. CONCRETE PLANT COMPLIES FULLY WITH ASTM C94 SECTION 8 AND 9, AND HAS A CURRENT CERTIFICATION INDICATING THE PLANT HAS AUTOMATIC BATCHING AND RECORDING CAPABILITIES FROM THE NATIONAL READY MIX CONCRETE ASSOCIATION.
B. COMPRESSIVE STRENGTH 3500 PSI SPECIFIED AND 2500 PSI DESIGNED.
C. INSPECTOR TO CHECK FIRST BATCHING AT START OF WORK AND FURNISH MIX PROPORTIONS TO LICENSED WEIGHMASTER.
D. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY EACH LOAD BY A TICKET.
E. TICKETS TRANSMITTED TO INSPECTOR OF RECORD.
F. SUBMIT WEIGHMASTER AFFIDAVIT.

NOTE 2
AIR CONTENT TEST AS REQUIRED BASED ON SITE LOCATION (FOR COLD WEATHER CONDITIONS).

SITE SPECIFIC OPTIONS

TO BE COMPLETED PRIOR TO PLAN CHECK SUBMITTAL.

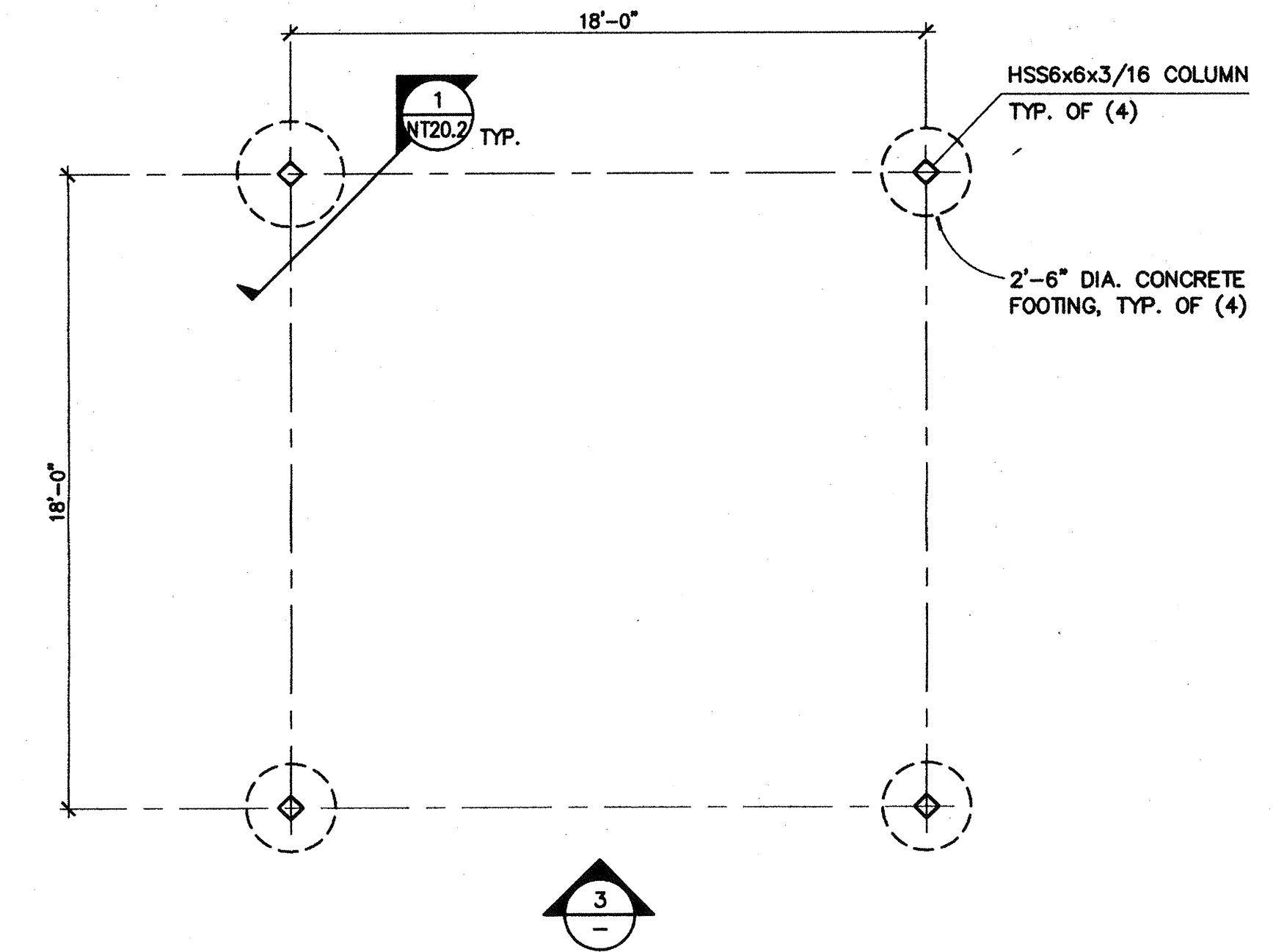
Quantity of shelters at this site	4
Shelter eave height (7'-6" MIN, 12' MAX)	<input type="checkbox"/> YES <input type="checkbox"/> NO
Concrete slab or asphalt paving (by others) over footings?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Roof downspouts (locations per owner)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Aluminum "V" plugs in roof voids for bird control?	<input type="checkbox"/> YES <input type="checkbox"/> NO

GENERAL NOTES

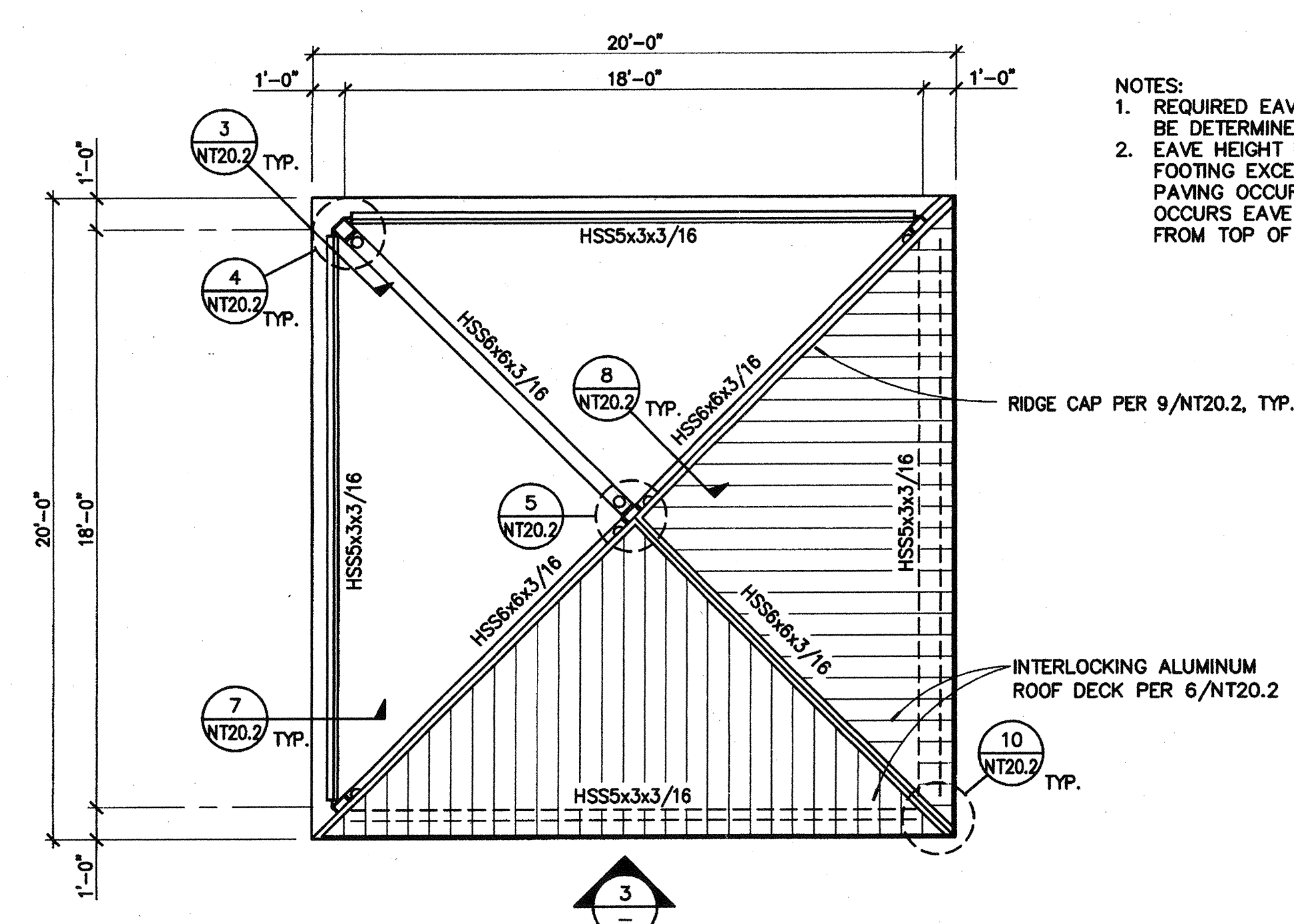
- I. SHELTER DESIGN
 - A. THE STRUCTURAL DESIGN OF THE COMPONENTS AND CONNECTIONS OF THIS SHELTER ARE SUFFICIENT FOR EAVE HEIGHTS RANGING FROM 7'-6" UP TO 12' TALL.
 - B. REQUIRED EAVE HEIGHT AND LENGTH FOR EACH SITE SHALL BE DETERMINED BY OWNER.
 - C. THIS SHELTER HAS BEEN DESIGNED AS AN OPEN STRUCTURE. THE ADDITION OF ANY ENCLOSURE DIRECTLY ATTACHED TO THE SHELTER SUCH AS WALLS, INSECT MESH, OR SHADE SCREENS SHALL BE PROHIBITED AS INCREASED WIND FORCES MAY RESULT.
- II. DESIGN AND CONSTRUCTION STANDARDS
 - A. THE DESIGN OF THIS STRUCTURE IS IN CONFORMANCE WITH THE FOLLOWING STANDARDS AND ALL PHASES OF CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING STANDARDS.
 1. 2007 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, C.C.R.)
 2. 2007 CALIFORNIA BUILDING CODE, VOLUMES 1 AND 2 (PART 2, TITLE 24, C.C.R.) (2008 INTERNATIONAL BUILDING CODE WITH 2007 CALIFORNIA AMENDMENTS)
 3. 2007 CALIFORNIA FIRE CODE (PART 9, TITLE 24, C.C.R.)
 4. 2007 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, C.C.R.)
 5. STATE FIRE MARSHAL REGULATIONS (DIVISION 1, TITLE 19, PUBLIC SAFETY, C.C.R.)
- III. CONSTRUCTION CHANGES
 - A. CHANGES TO THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY PART 1, TITLE 24, C.C.R.
- IV. FOUNDATION
 - A. THE FOUNDATION SHALL REST ON SOUND SOIL THAT IS FREE OF ORGANIC AND DELETERIOUS MATERIALS AND CAPABLE OF SUPPORTING 1000 PSF VERTICAL BEARING PRESSURE.
 - B. FOR LATERAL LOADING, THE FOUNDATION HAS BEEN DESIGNED TO THE MINIMUM BEARING VALUES IN CBC TABLE 1804A.2. THESE ARE 1000 PSF ALLOWABLE FOUNDATION PRESSURE AND 100 PSF/F LATERAL BEARING.
 - C. FOUNDATION DESIGN SHOWN IS BASED ON THE SOIL CONDITIONS GIVEN IN NOTES A AND B ABOVE. OWNER SHALL VERIFY ACTUAL SOIL CONDITIONS AT EACH JOB SITE AND ANY REQUIRED ADJUSTMENTS TO THE FOOTING DESIGN SHALL BE DESIGNED BY OTHERS.
- V. CONCRETE
 - A. COMPRESSIVE STRENGTH OF ALL REINFORCED CONCRETE SHALL NOT BE LESS THAN 3500 PSI AT 28 DAYS. REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF MINIMUM ASTM A615 GRADE 40 FOR #4 AND SMALLER BARS AND GRADE 60 FOR BARS LARGER THAN #4.
 - B. MINIMUM CONCRETE CLEAR COVER FOR REINFORCING BARS SHALL BE 3".
 - C. CONCRETE MIX DESIGN IN ACCORDANCE WITH CBC SECTION 1805.3 OR 1805.4 SHALL BE PERFORMED AND STAMPED BY A CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. THE CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE INSPECTOR OF RECORD PRIOR TO CONSTRUCTION.
 - D. THE MIX DESIGN SHALL MEET THE CRITERIA HEREIN AND SHALL BE PROPER FOR LOCAL CONDITIONS INCLUDING, BUT NOT LIMITED TO, FREEZING AND THAWING EXPOSURE, CHEMICAL AND SALT EXPOSURE, AND SOIL CORROSION WHERE SUCH PROBLEMS EXIST.
- VI. STRUCTURAL STEEL
 - A. STEEL PLATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.
 - B. HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500, GRADE B.
 - C. ALL STRUCTURAL STEEL SHALL BE IDENTIFIED BY MILL CERTIFICATE.
 - D. HIGH STRENGTH BOLTS (HSB) SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325-N. HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION PLUS AN ADDITIONAL HALF TURN.
 - E. ALL HIGH STRENGTH BOLTS SHALL HAVE CERTIFICATION.
 - F. WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY'S SPECIFICATION FOR THE MATERIAL BEING WELDED. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
 - G. WELD ELECTRODES SHALL BE E70XX.
 - H. ALL WELDING SHALL BE APPROVED BY AN AWS CERTIFIED INSPECTOR.
 - I. STEEL FRAMING SHALL BE COATED WITH ANTI-GRAFFITI POLYESTER TOIC POWDER COAT FINISH MEETING AAMA 2804-02 SPECIFICATIONS.
 - J. SHOP DRAWINGS OF ALL STRUCTURAL STEEL SHALL BE SUBMITTED TO HYTIMEN ENGINEERING FOR APPROVAL PRIOR TO FABRICATION.
 - K. ALL BOLT HOLE DIAMETERS SHALL BE EQUAL TO THE BOLT DIAMETER PLUS 1/16" U.N.O. BOLT HOLES FOR ANCHOR BOLTS SHALL BE EQUAL TO THE BOLT DIAMETER PLUS 1/4".
 - L. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 36.
- VII. ALUMINUM
 - A. INTERLOCKING SEAM ALUMINUM ROOF DECK SHALL BE ROLL FORMED FROM ALUMINUM ALLOY 3004-H181 AND SHALL CONFORM TO THE DECK PROFILE SHOWN ON THE DRAWINGS.
 - B. ALUMINUM ROOF DECK SHALL BE COATED WITH HEAT REFLECTIVE BASF ULTRA-COOL COATING OR APPROVED EQUAL MATERIAL BEING WELDED. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
 - C. EXTRUDED ALUMINUM ROOF CAP SHALL BE FABRICATED FROM ALUMINUM ALLOY 6105-T5 AND SHALL CONFORM TO THE REQUIREMENTS SHOWN ON THE DRAWINGS.
 - D. EXTRUDED ALUMINUM FASCIA SHALL BE FABRICATED FROM ALUMINUM ALLOY 6063-T5. EXTRUDED ALUMINUM GUTTER SHALL BE FABRICATED FROM ALUMINUM ALLOY 6105-T5. ALUMINUM COMPONENTS SHALL CONFORM TO THE REQUIREMENTS SHOWN ON THE DRAWINGS.
 - E. EXTRUDED ALUMINUM ROOF CAP, GUTTER, AND FASCIA SHALL BE COATED WITH ANTI-GRAFFITI POLYESTER TOIC POWDER COAT FINISH MEETING AAMA 2804-02 SPECIFICATIONS.
- VIII. SCREWS
 - A. SCREWS SHALL BE HELIX-Kwik-PRO SELF DRILLING SCREWS WITH BOND SEAL WASHERS PER ICC ESR-2198 OR APPROVED EQUAL.
 - B. SCREWS ATTACHING TO STEEL SHALL BE 12-24 HEX WASHER HEAD (HWH) #6 POINT SCREWS. SCREWS ATTACHING TO ALUMINUM SHALL BE 8-18 HEX WASHER HEAD (HWH) #2 POINT SCREWS.
 - C. ALL SCREWS SHALL BE STAINLESS STEEL OR COATED WITH ZINC.
 - D. THE MANUFACTURER SHALL PROVIDE A SCREW CERTIFICATION LETTER STATING THAT SCREWS PROVIDED MATCH THE SIZE AND TYPE SPECIFIED HEREIN. THE CERTIFICATION LETTER SHALL BE SUBMITTED TO THE INSPECTOR OF RECORD PRIOR TO INSTALLATION.
- IX. SHOP FABRICATION AND FIELD ASSEMBLY
 - A. ALL STRUCTURAL STEEL AND ALUMINUM COMPONENTS SHALL BE SHOP FABRICATED SO THAT FIELD ASSEMBLY OF CONNECTIONS CAN BE PERFORMED USING ONLY BOLTING AND SCREW PLACEMENT.
- X. SPECIAL INSPECTION
 - A. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PERFORM INSPECTION OF THE CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 17A OF THE 2007 CALIFORNIA BUILDING CODE (PART 2, TITLE 24, C.C.R.) AND THE DIVISION OF THE STATE ARCHITECT.
- XI. FIRE LIFE SAFETY
 - A. AN AUTOMATIC FIRE PROTECTION SYSTEM MAY BE REQUIRED FOR THIS BUILDING DEPENDING ON SITE SPECIFIC REQUIREMENTS. WHERE REQUIRED, THE AUTOMATIC FIRE PROTECTION SYSTEM SHALL BE DESIGNED BY OTHERS.

SHEET INDEX

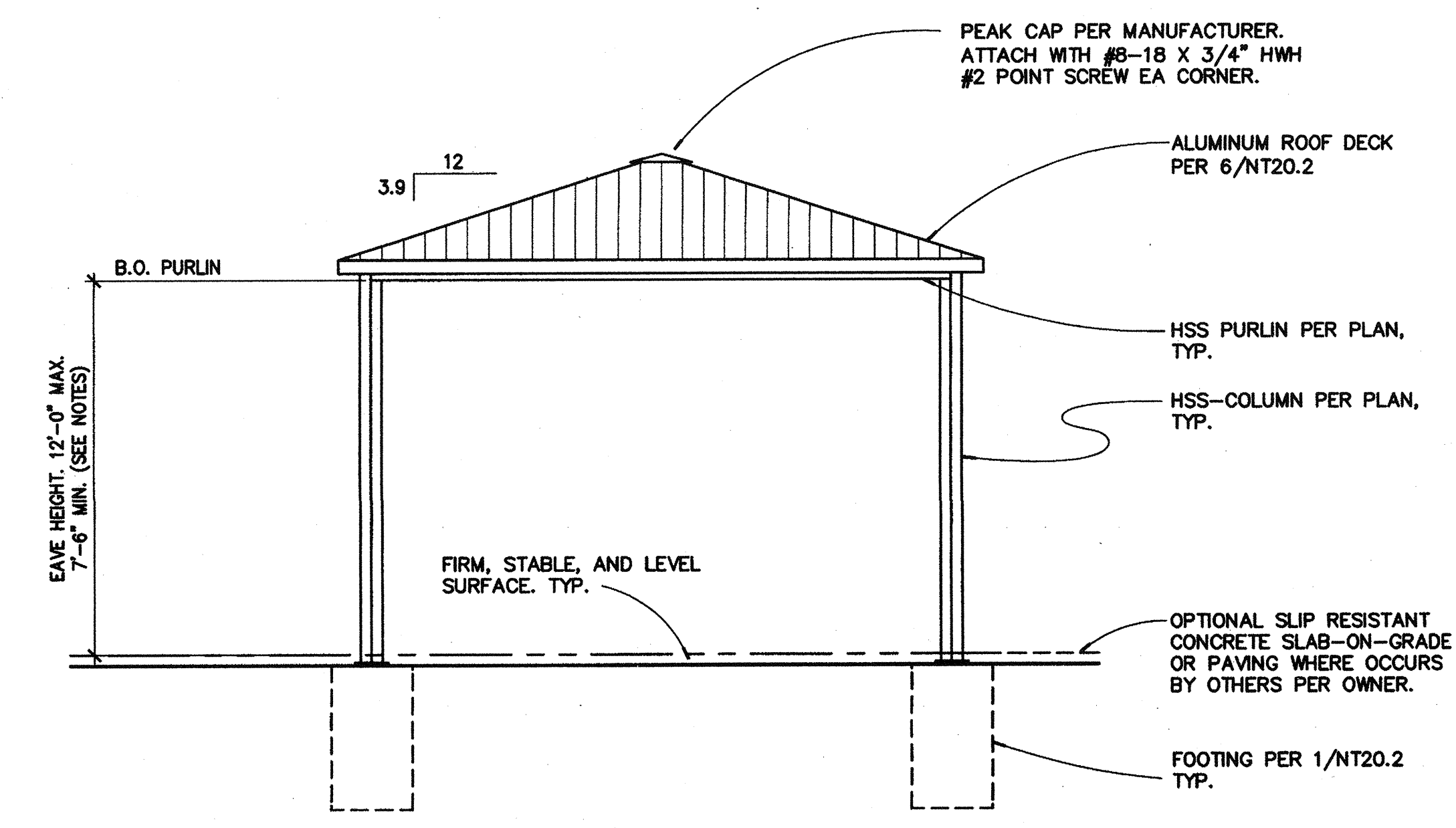
- NT20.1 BASIS OF DESIGN, PLANS AND ELEVATIONS
- NT20.2 SECTIONS AND DETAILS



20' NAVAJO SHELTER FOUNDATION PLAN
1/4" = 1'-0"



20' NAVAJO SHELTER ROOF PLAN
1/4" = 1'-0"



BUILDING ELEVATION
1/4" = 1'-0"

PRE-CHECK (PC) DOCUMENT
CODE :2007 CBC
A separate project application for construction is required.

File No: PC-058
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DIV. OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC# 02-110655
AC: [Signature]
DATE: 1-21-10

HYTIMEN ENGINEERING
5458 Langley Lane, Suite B
Reno, Nevada, 89511
(775) 826-3019 PHONE
(775) 826-3076 FAX

REGISTERED PROFESSIONAL ENGINEER
No. 52732
EXPIRES 12-31-12
STATE OF CALIFORNIA

PROJECT:
20' NAVAJO SHELTER
AMERICANA BUILDING PRODUCTS
#2 Industrial Dr. - Salem, IL 62861
(800) 851-0865 www.americana.com

SITE ADDRESS:
California Unified School District
Covina, CA 91702

SHEET TITLE:
BASIS OF DESIGN, PLANS,
AND ELEVATIONS

DRAWN BY:
NYGI

CHECKED BY:
R.H.

DATE:
7/21/09

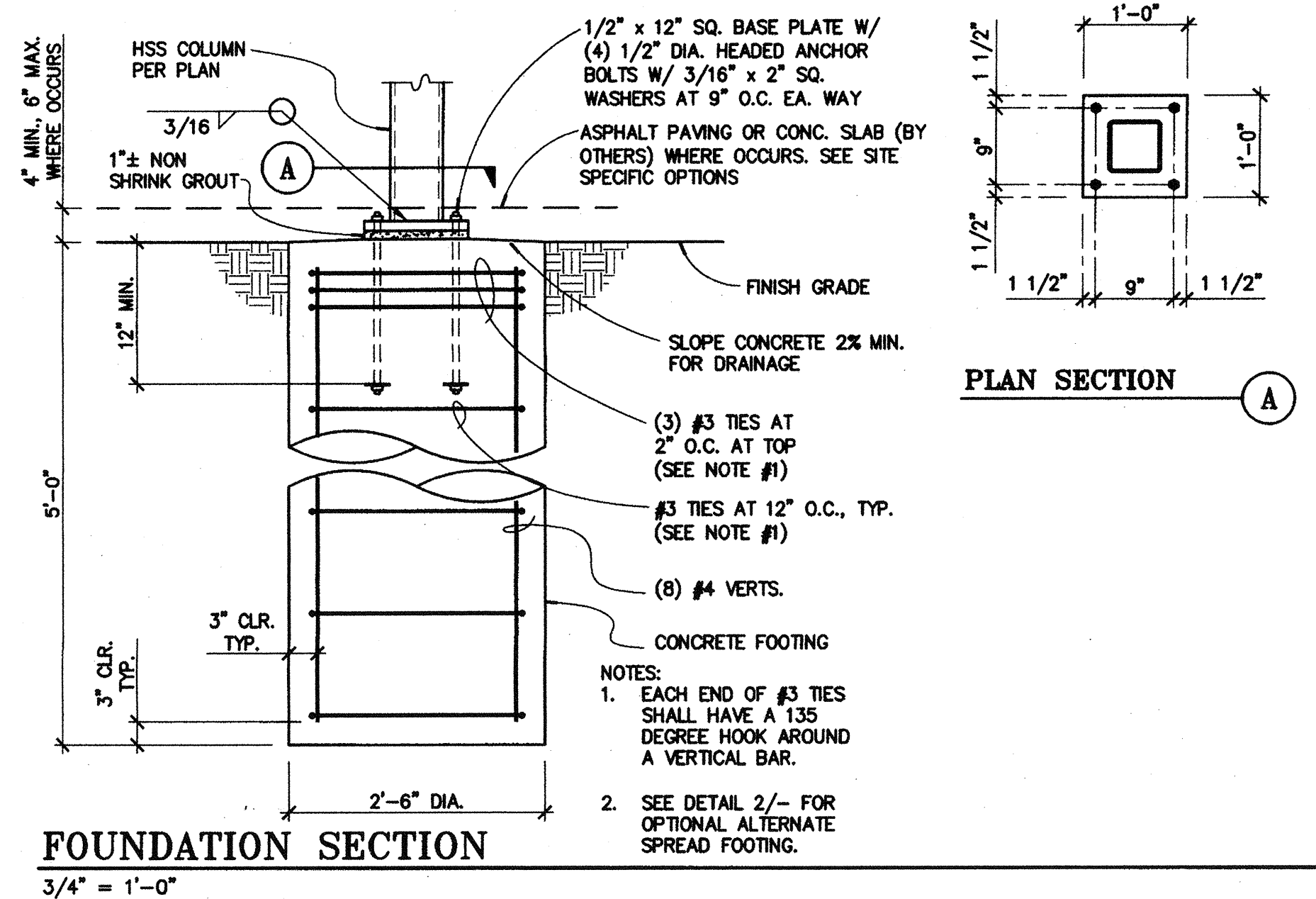
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AS NOTED

JOB NO.:
61-07

DRAWING NO.:
NT20

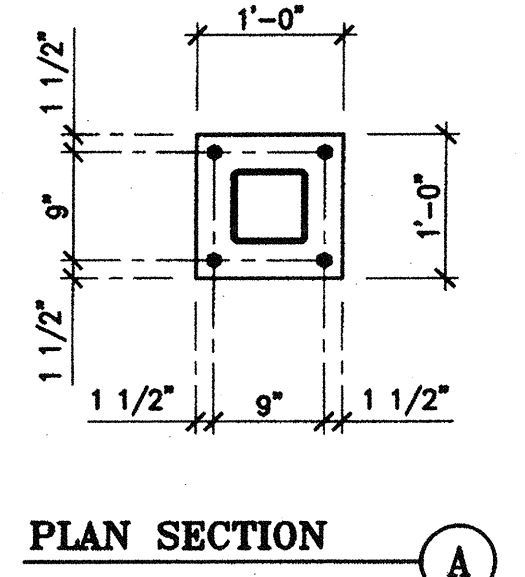
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NT20.1

OF 2 SHEETS

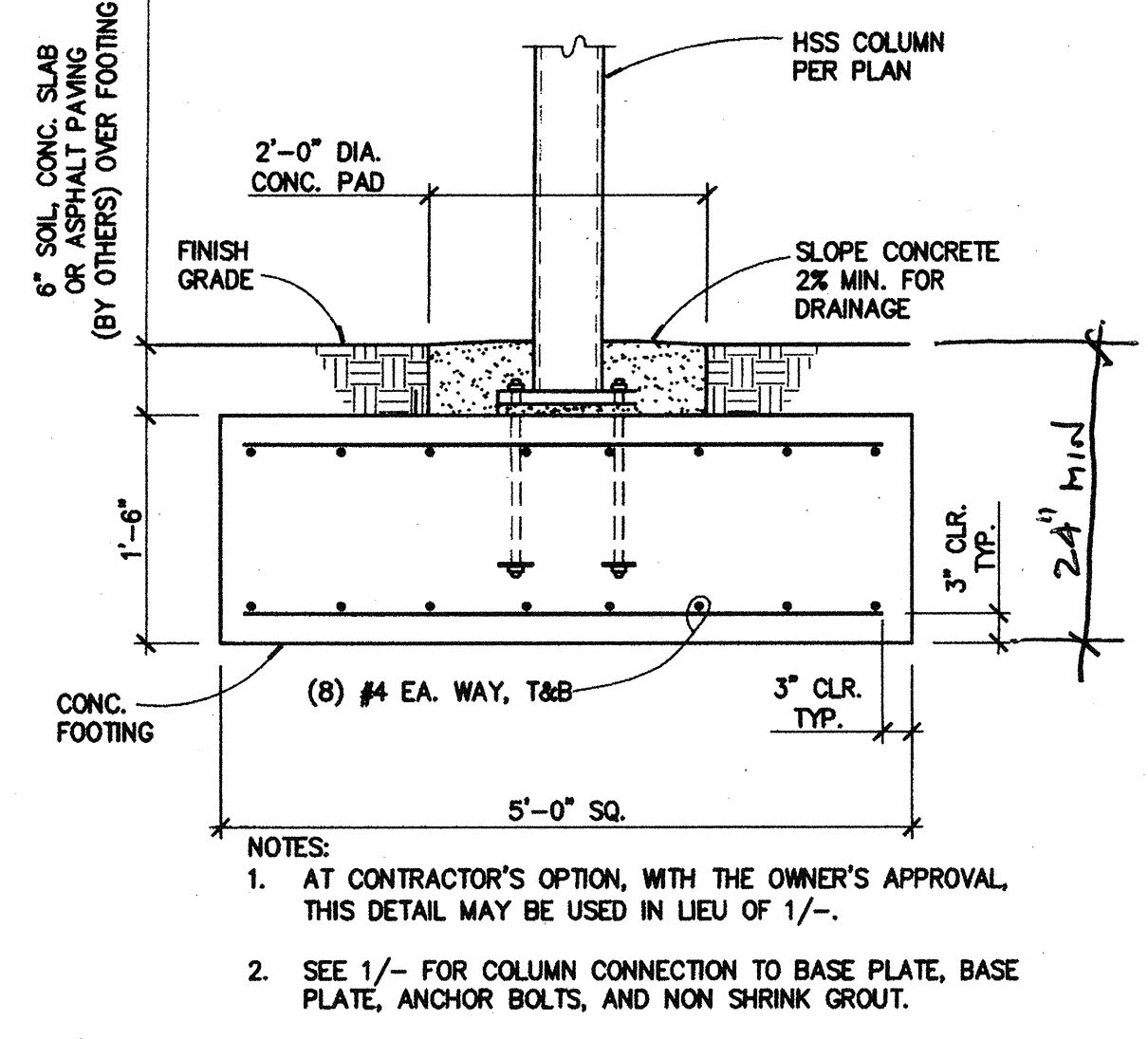


FOUNDATION SECTION
3/4" = 1'-0"

1

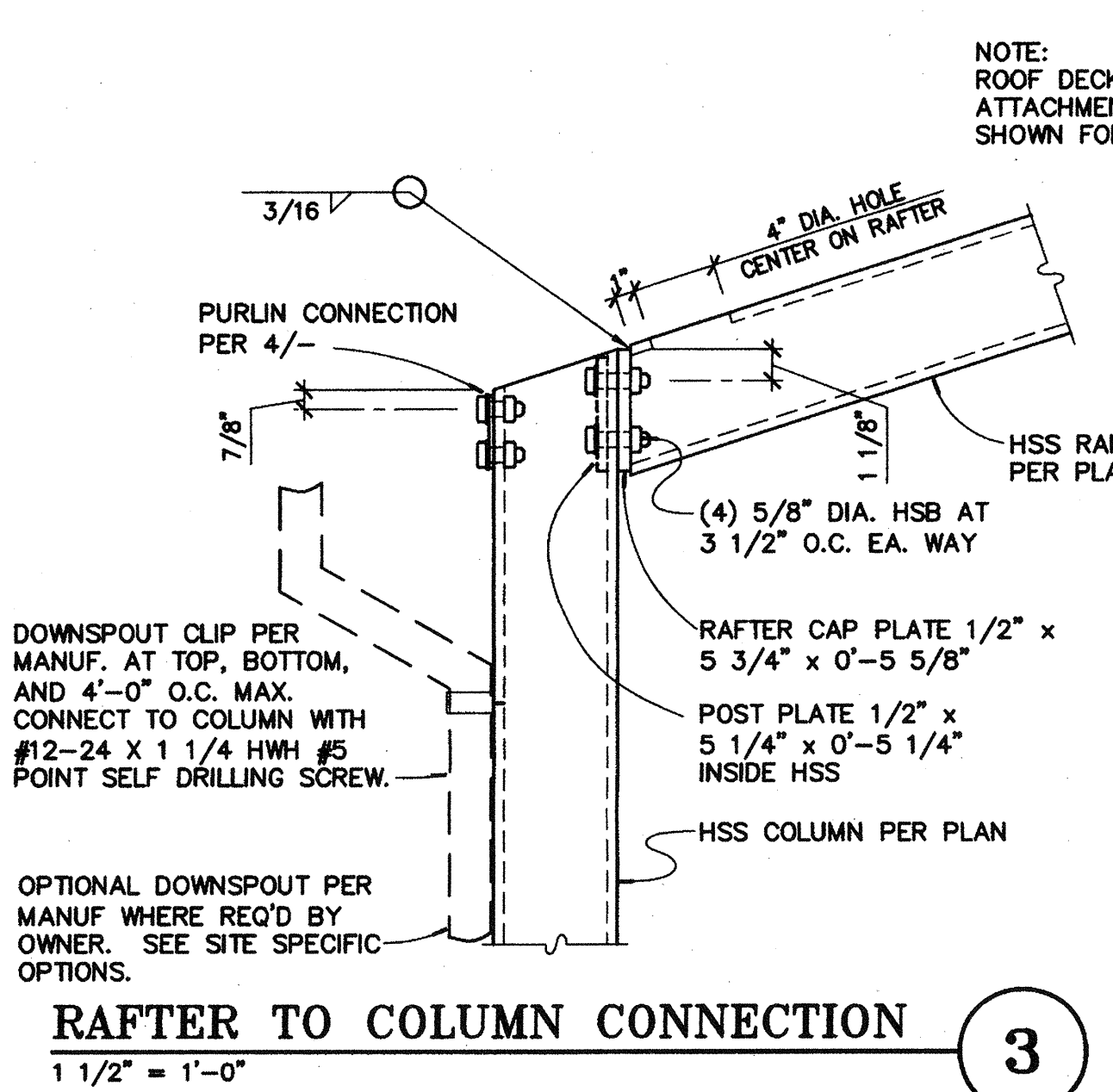


PLAN SECTION



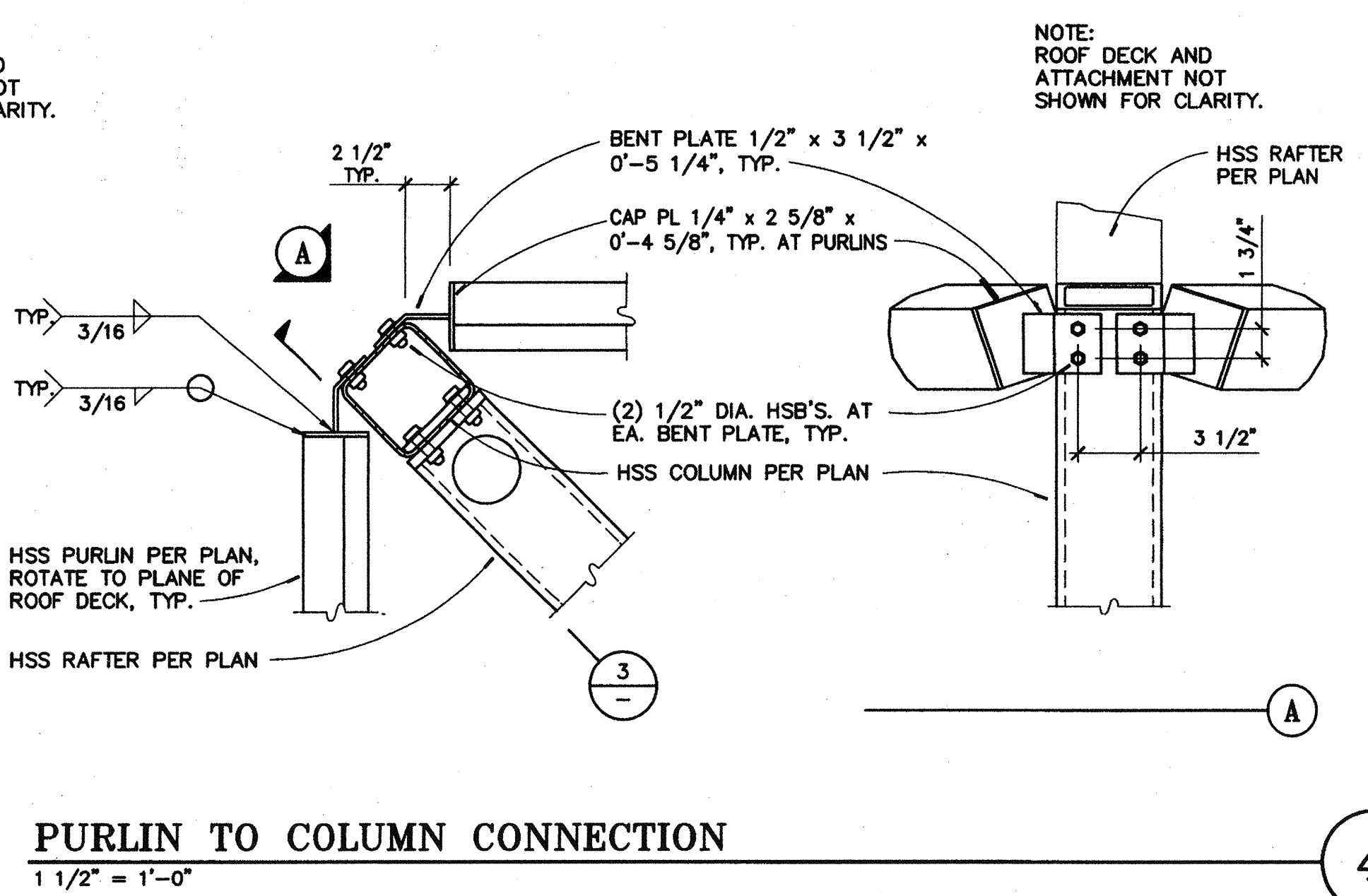
ALTERNATE FOUNDATION SECTION
3/4" = 1'-0"

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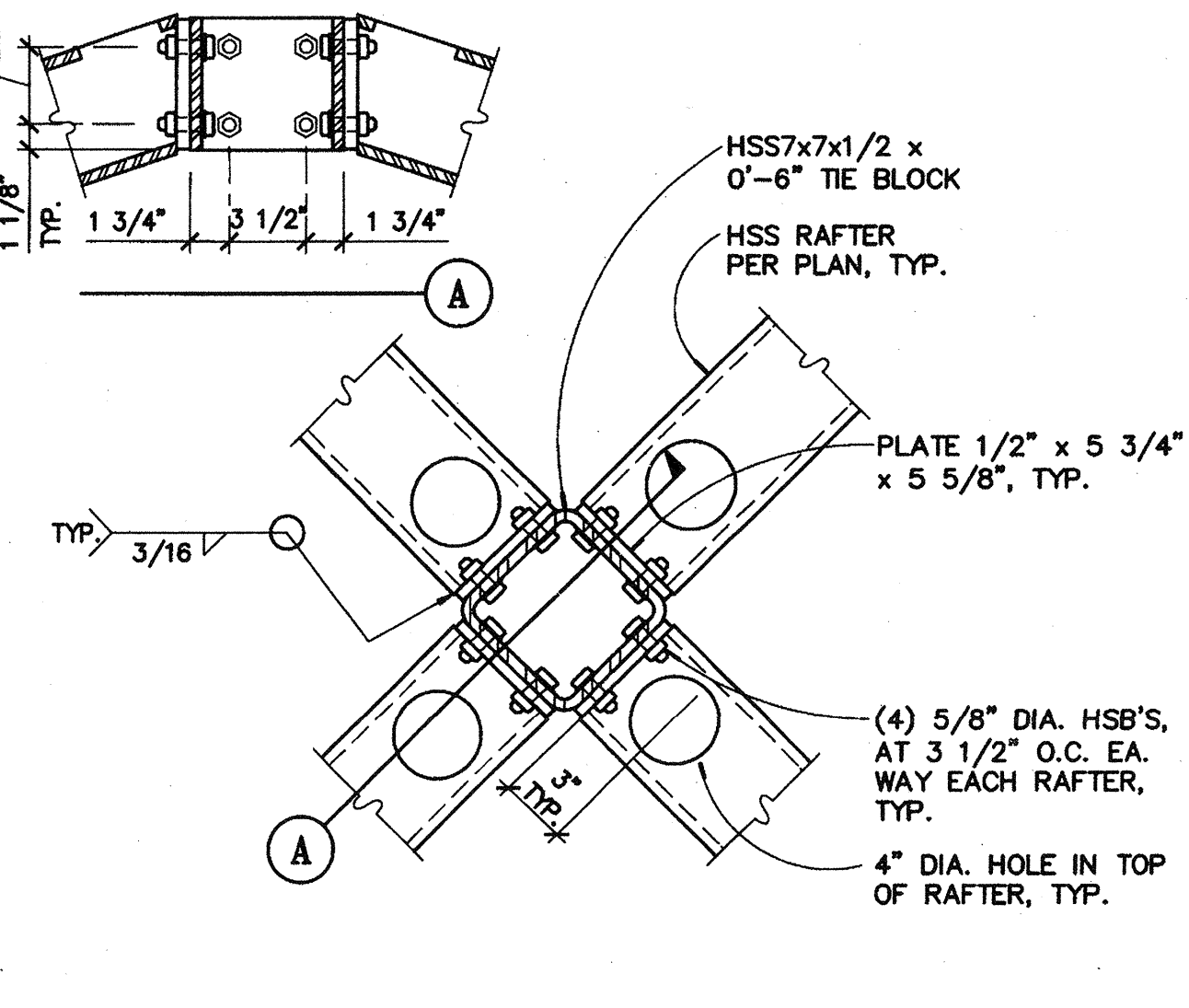
RAFTER TO COLUMN CONNECTION
1 1/2" = 1'-0"

3



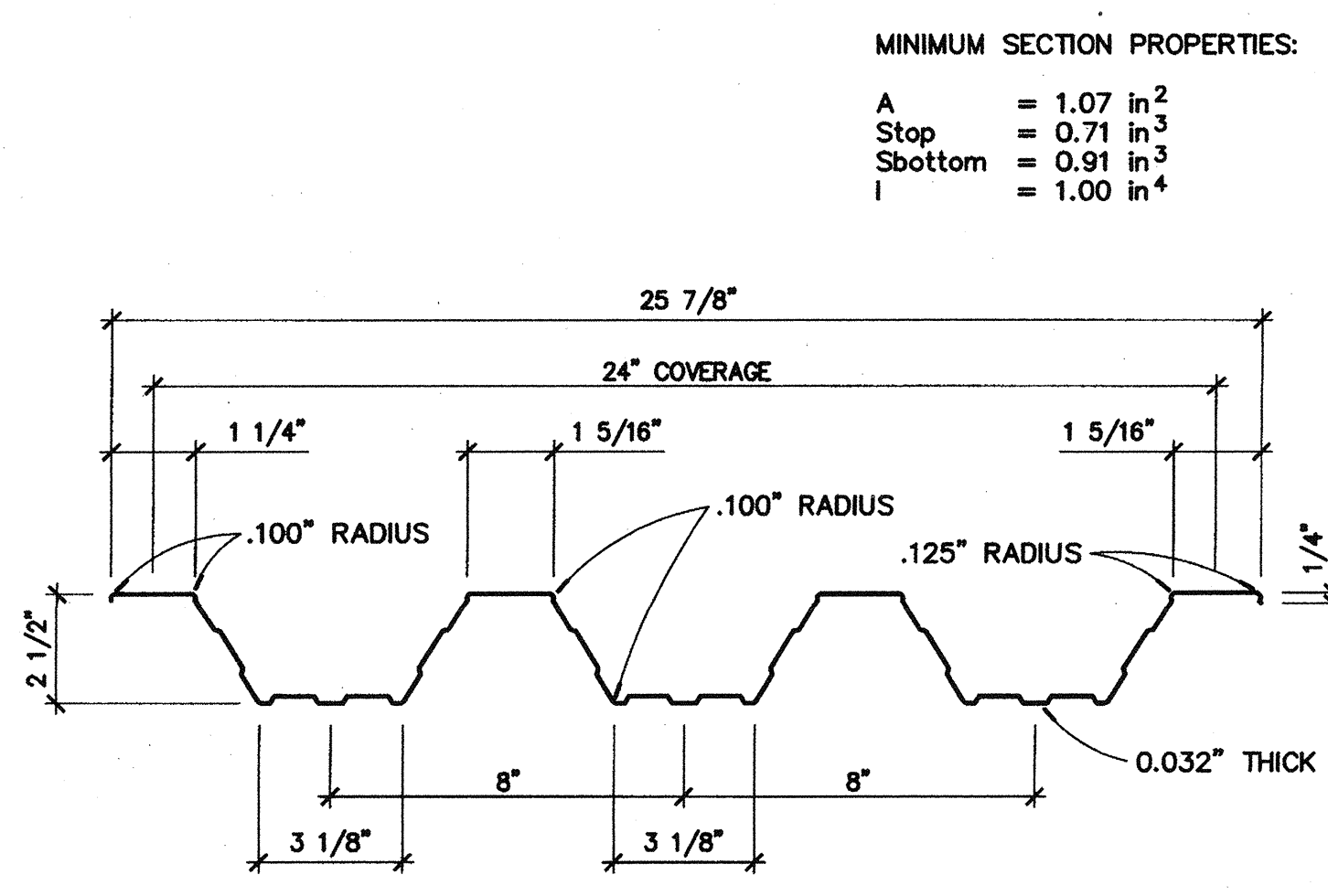
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1 1/2" = 1'-0"

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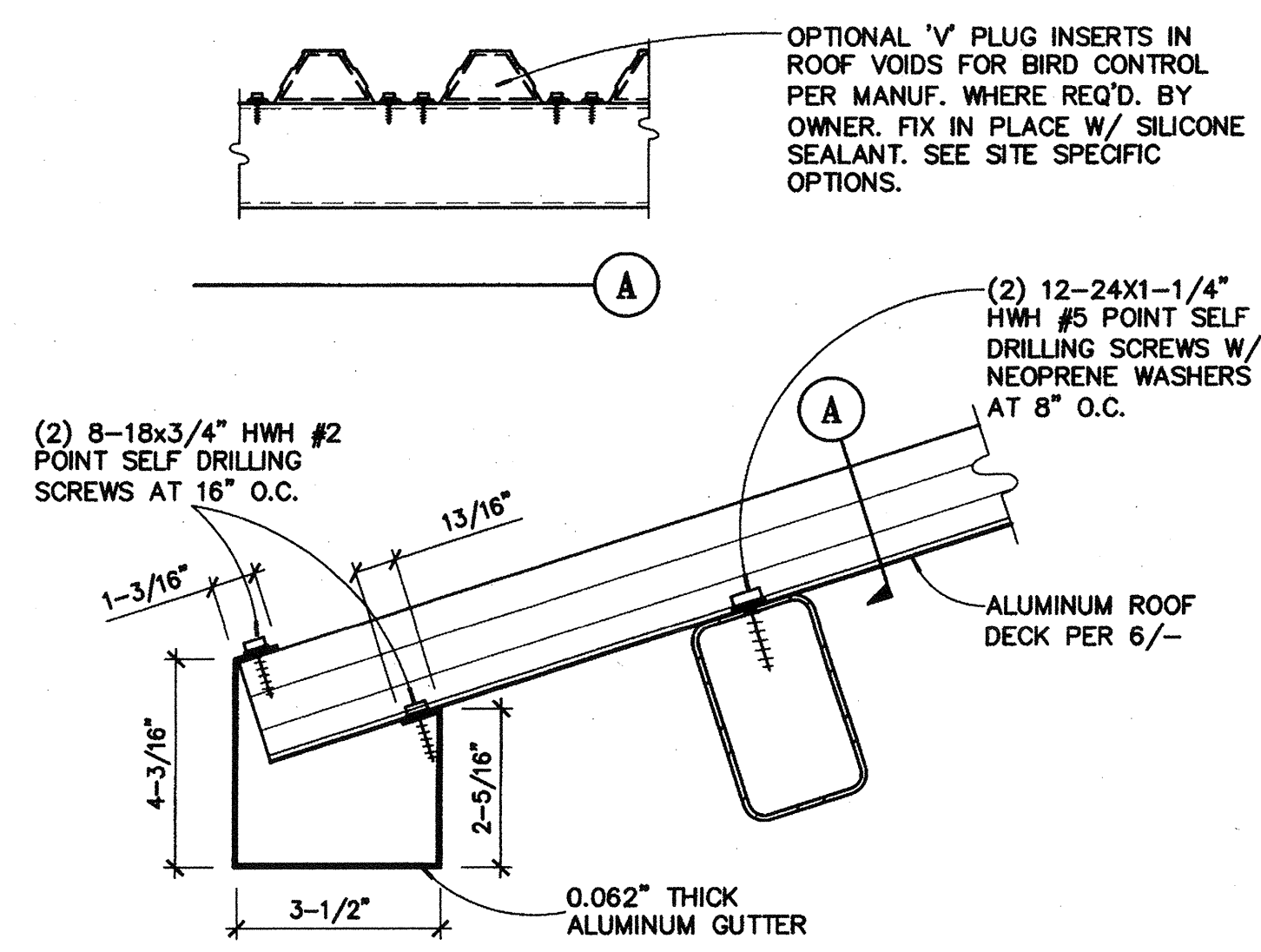
RAFTER TO TIE-BLOCK CONNECTION
1 1/2" = 1'-0"

5



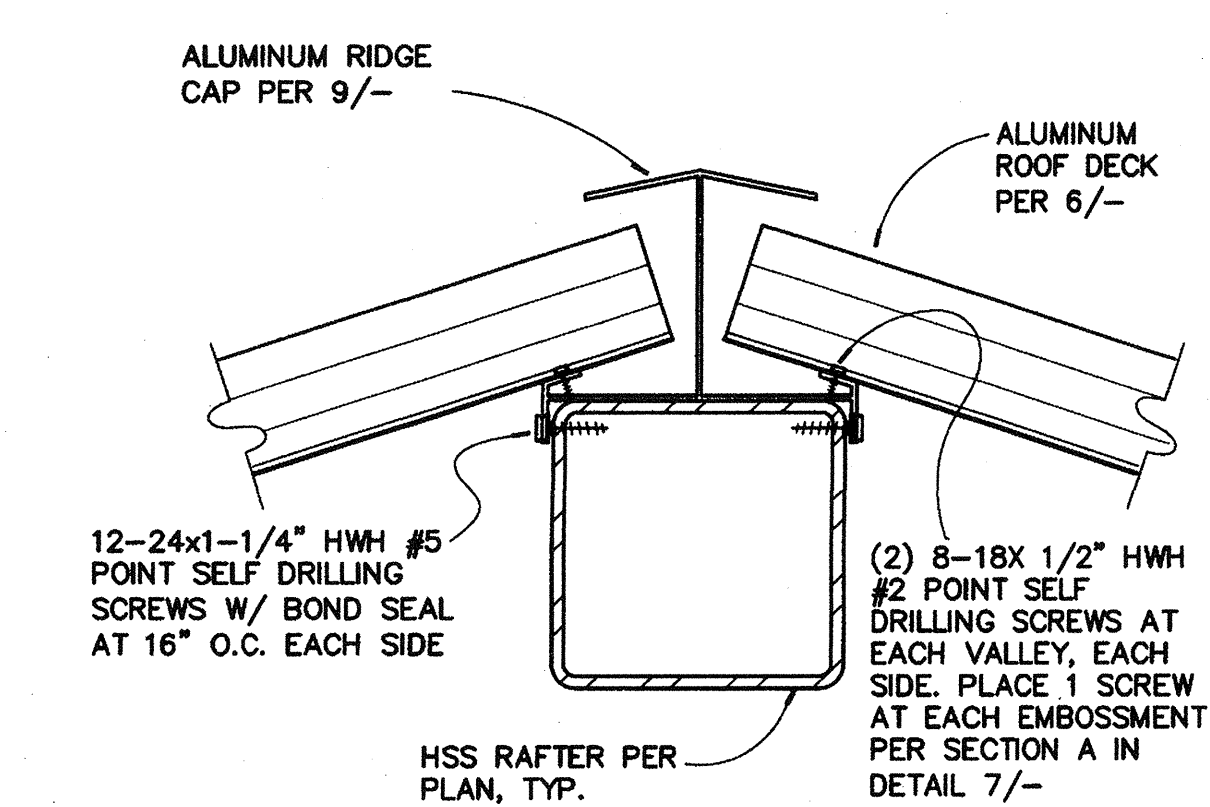
INTERLOCKING ROOF DECK PROFILE
3" = 1'-0"

6



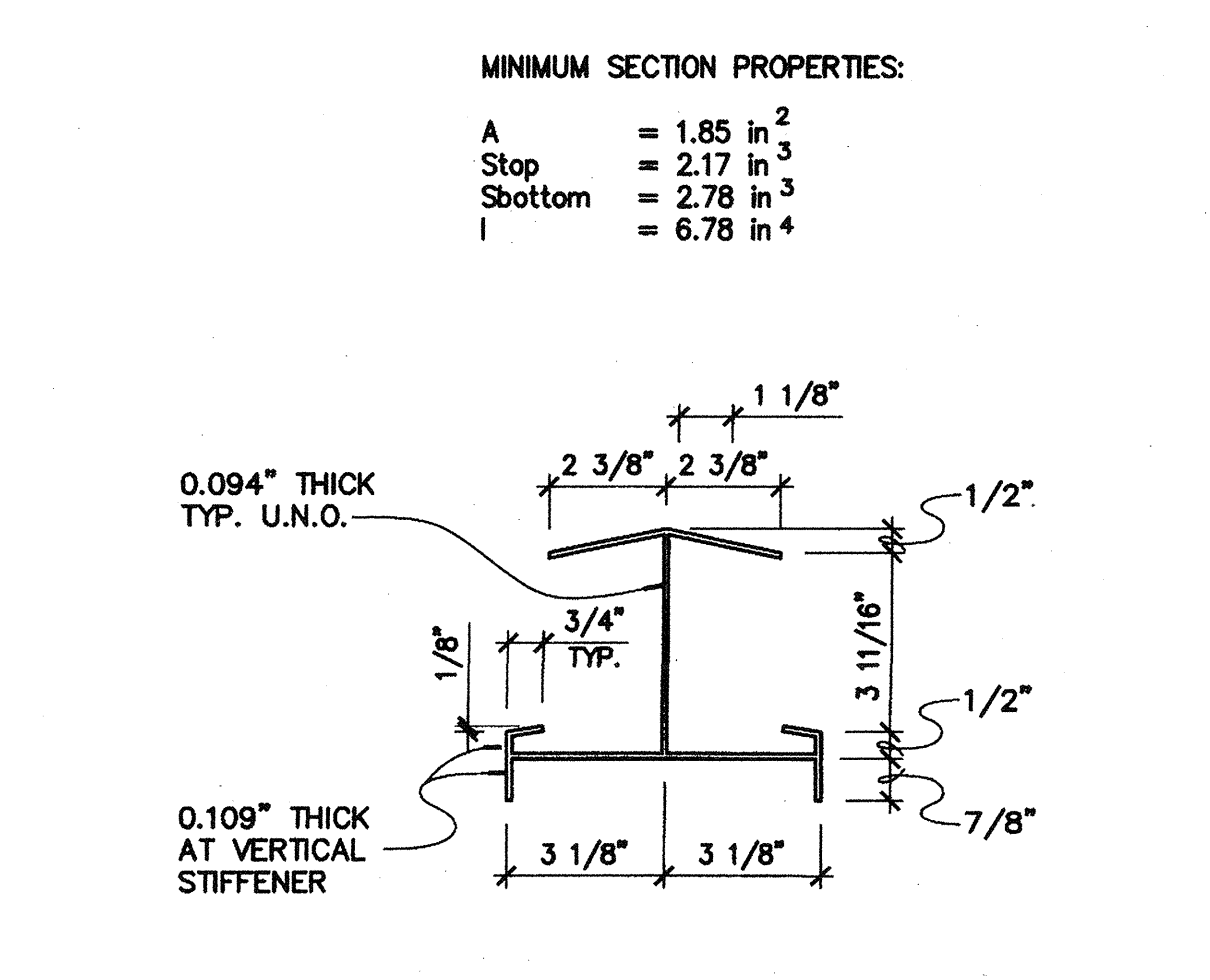
ROOF DECK TO PURLIN CONNECTION
3" = 1'-0"

7



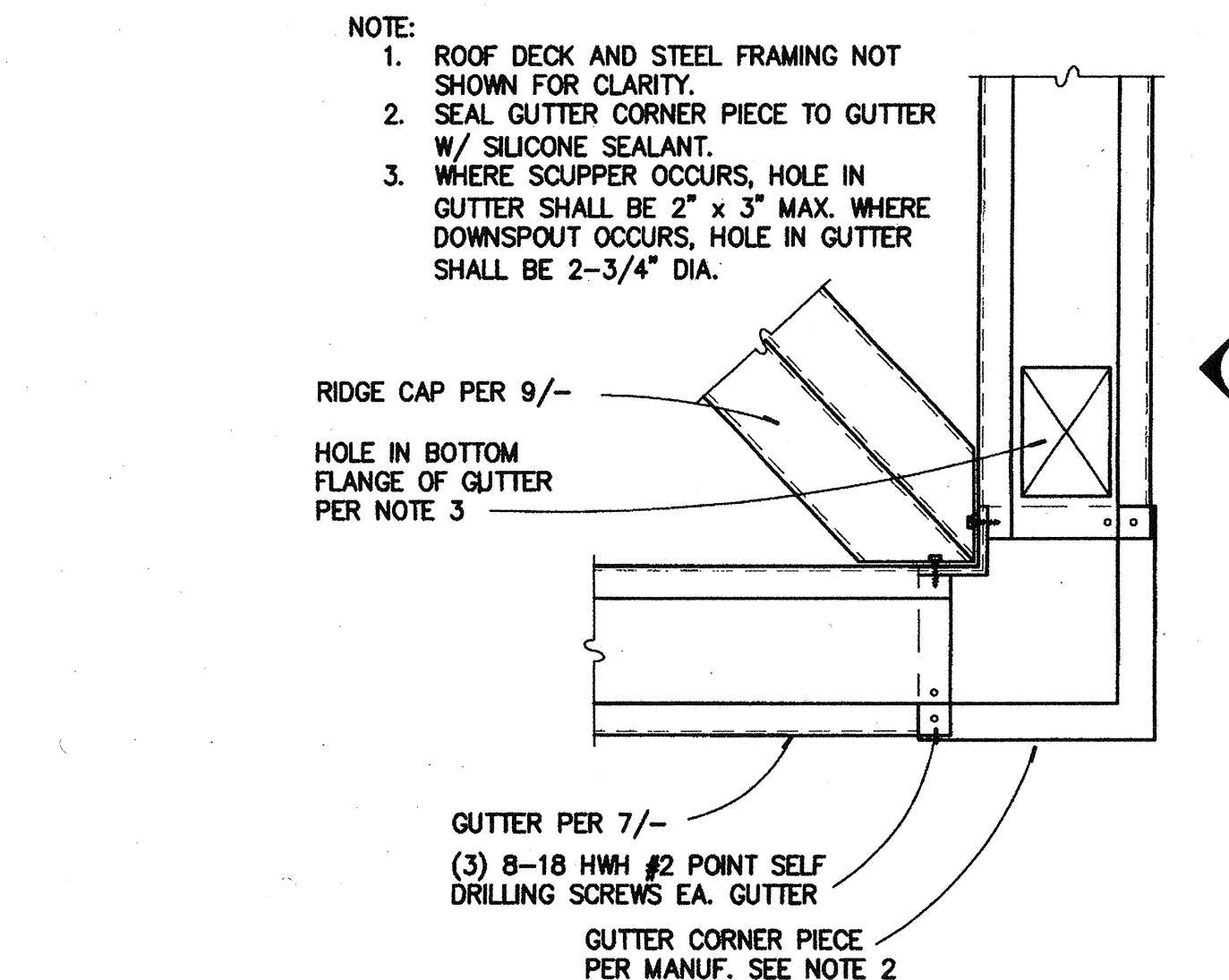
ROOF DECK TO RAFTER CONNECTION
3" = 1'-0"

8



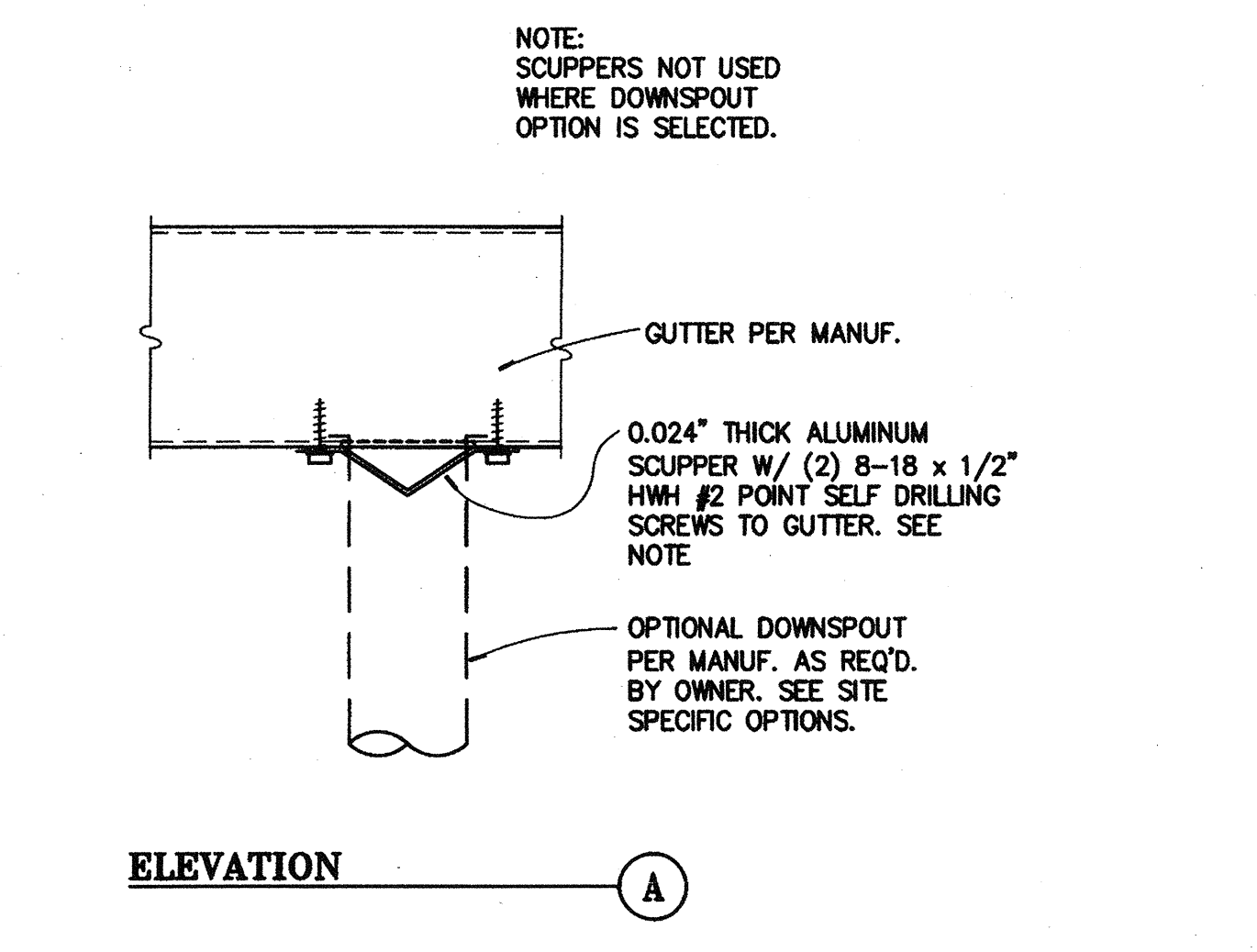
RIDGE CAP PROFILE
3" = 1'-0"

9



GUTTER DRAIN HOLES
3" = 1'-0"

10



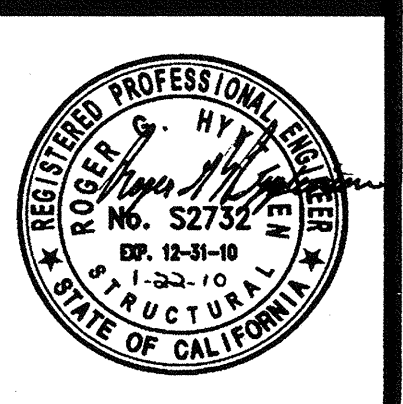
ELEVATION

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DATE: JUL 11 2011

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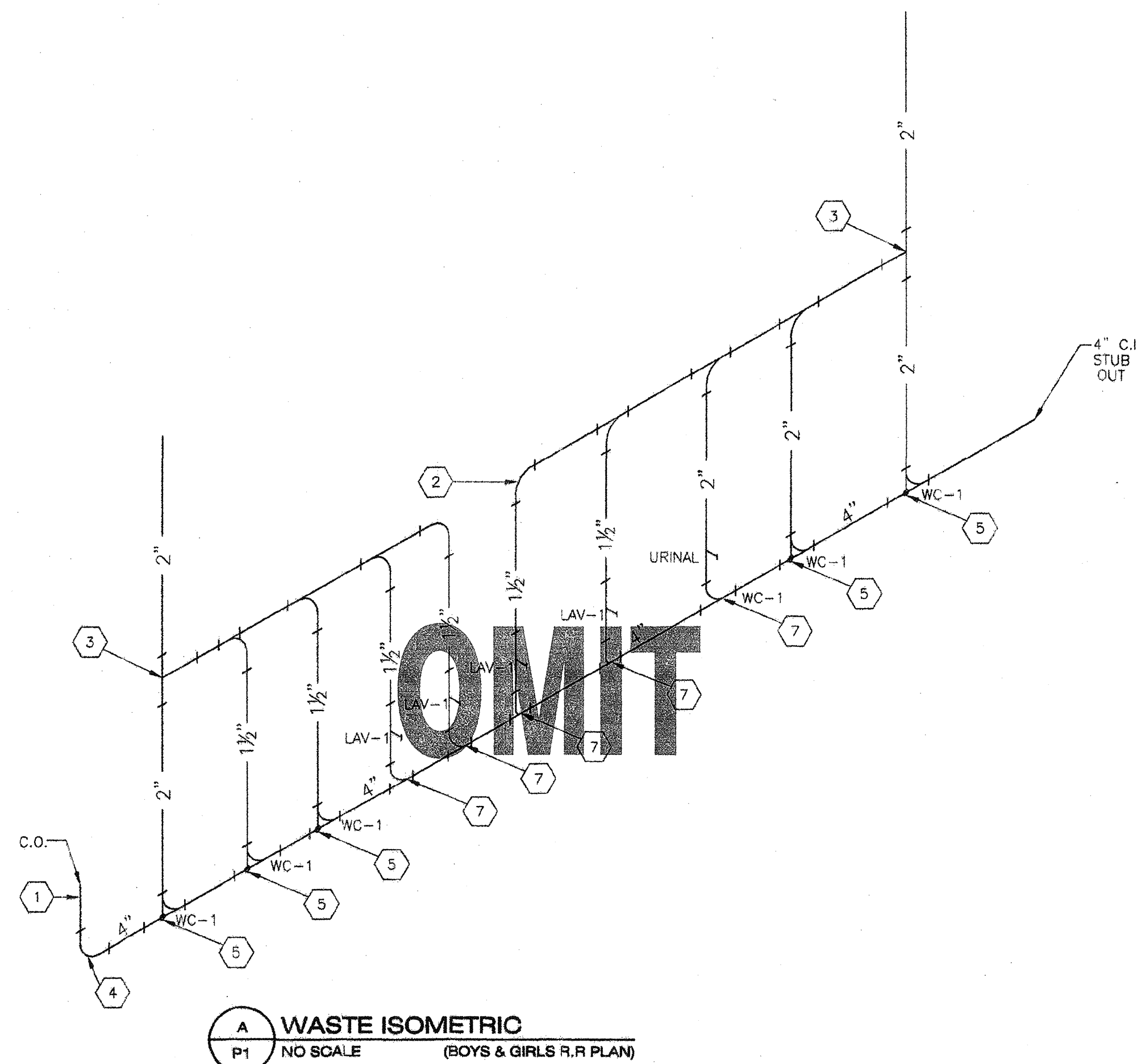
HYTTINEN ENGINEERING
5458 Longley Lane, Suite B
Reno, Nevada 89511
(775) 826-3019 PHONE
(775) 826-3076 FAX



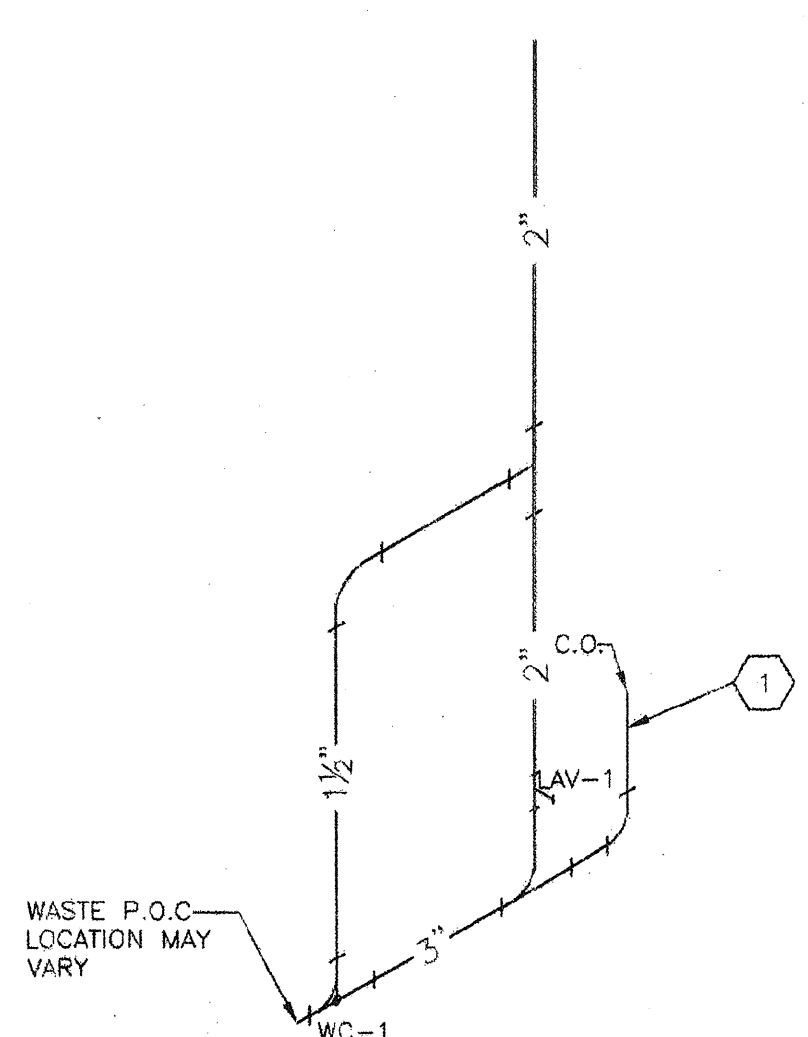
PROJECT:
20' NAVAJO SHELTER
AMERICANA BUILDING PRODUCTS
#2 Industrial Dr. - Salem, IL 62881
(800)851-0865 www.americana.com

SITE ADDRESS:
Job No. 61-07
SHEET TITLE:
SECTIONS AND DETAILS

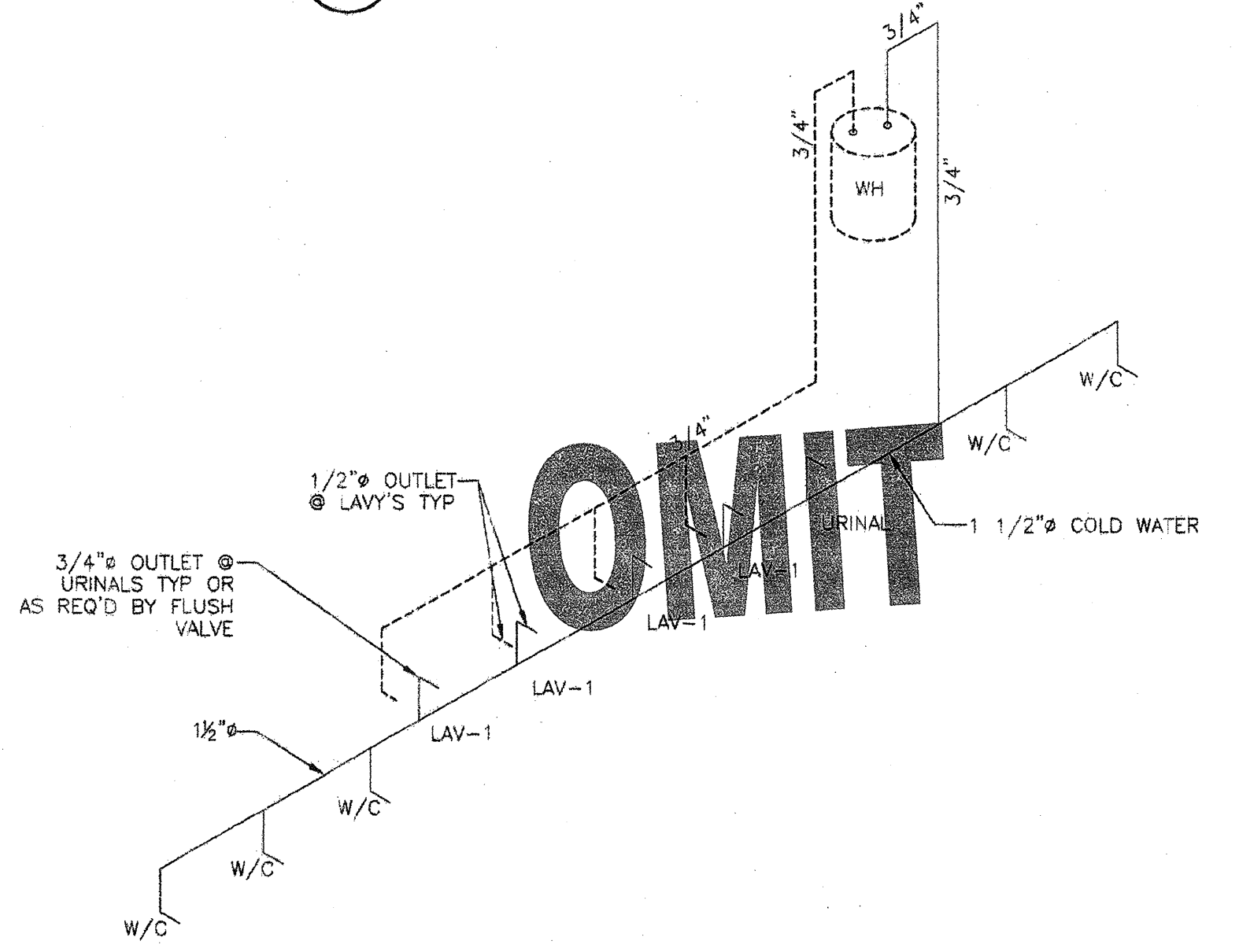
DRAWN: NYGI
CHECKED: R.H.
DATE: 7/21/09
SCALE: AS NOTED
JOB NO.: 61-07
DRAWING NO.: NT20
SHEET: NT20.2
OF 2 SHEETS



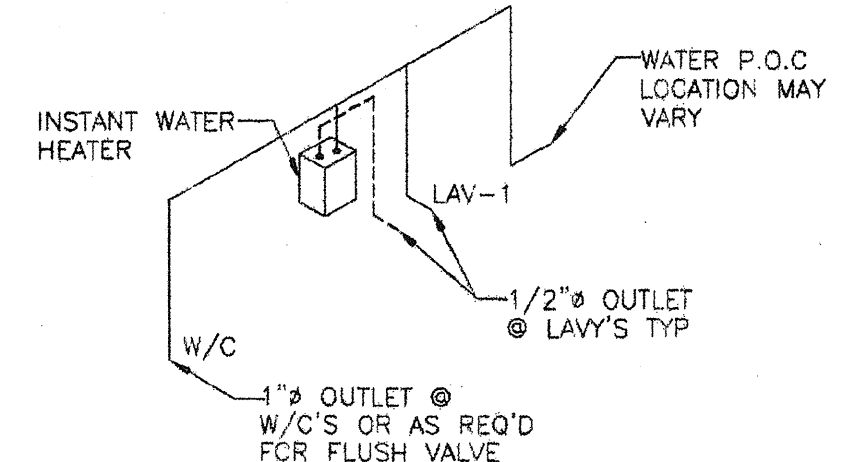
A WASTE ISOMETRIC
P1 NO SCALE (BOYS & GIRLS R.R. PLAN)



A WASTE ISOMETRIC
P1 NO SCALE (SINGLE RESTROOM)

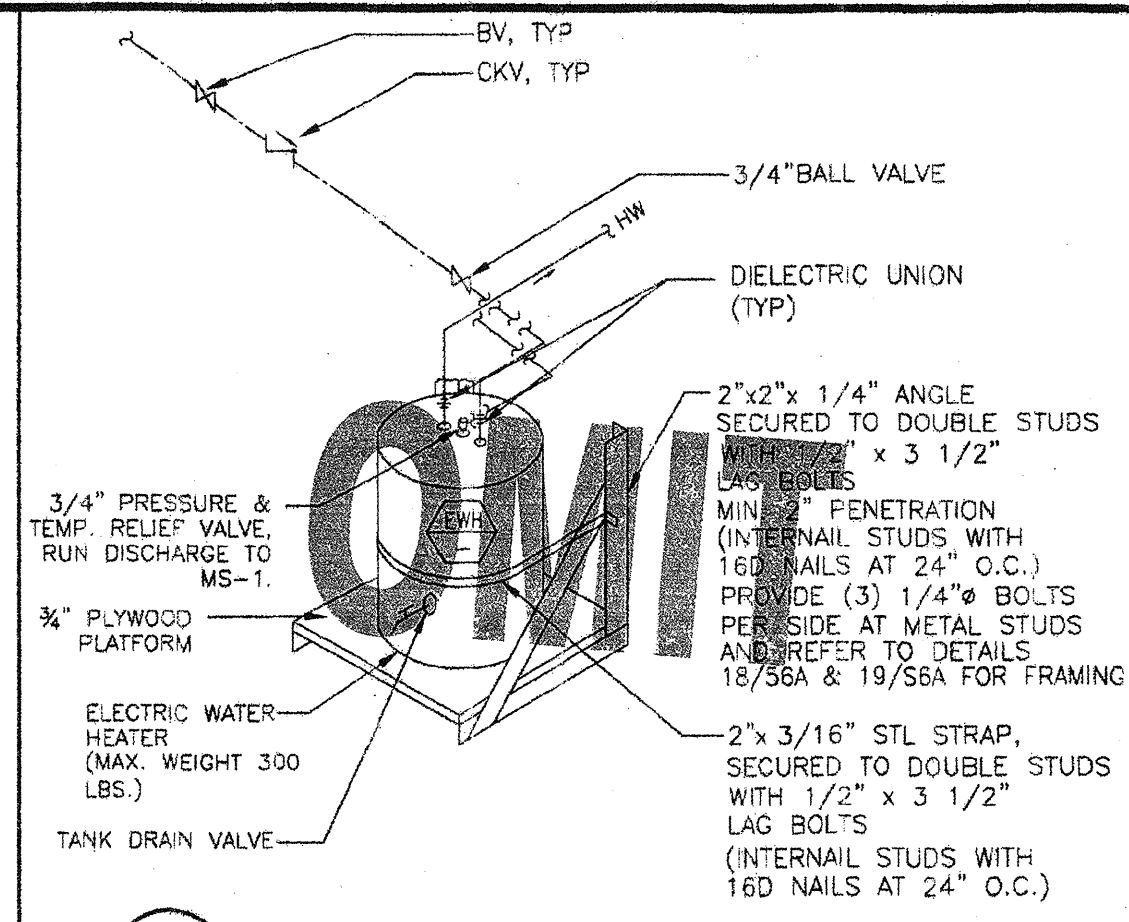


1A WATER SUPPLY ISOMETRIC
P1 NO SCALE (BOYS & GIRLS R.R. PLAN)

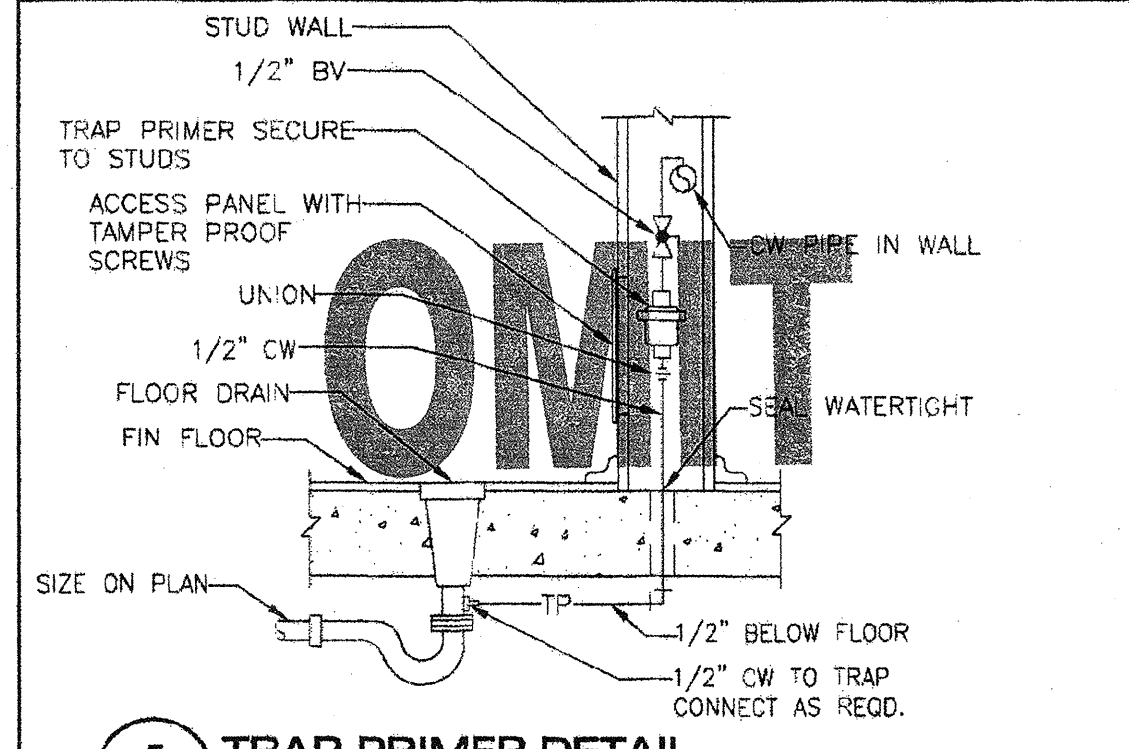


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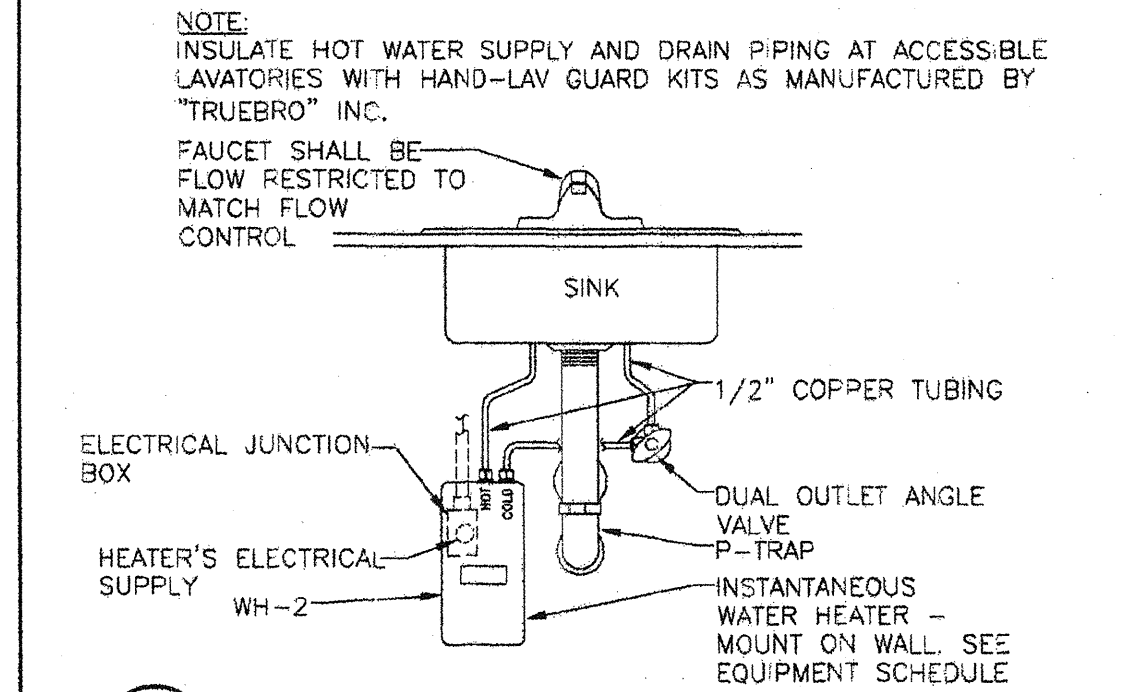
— COLD WATER
- - - - - HOT WATER



D WATER HEATER SUPPORT DETAIL
P1 N.T.S



E TRAP PRIMER DETAIL
P1 N.T.S



F INSTANT WATER HEATER DETAIL
P1 N.T.S

- # PIPE FITTING CALLOUTS**
- 4" CLEAN OUT
 - VENT 90
 - VENT CROSS
 - 4" QUARTER BEND
 - SMITH#8000 CARRIER
 - 2" SANITARY TAP TEE
 - 4x4-2 COMBINATION WYE 1/8 BEND
 - 2x2-1 1/2 SANITARY TEE
 - DOUBLE COMBINATION
 - 2"x18" LONG CU AIR CHAMBER
 - 1 1/2" CW STUB @ WATER CLOSETS
 - 3/4" CW STUB @ URINALS
 - 1/2" CW STUB @ LAVATORIES

SHEET NOTES

- DWV PIPING SHALL BE ABS PLASTIC
- COLD WATER SUPPLY SHALL BE TYPE L COPPER
- DWV FIRING:
MIN SLOPE 1/4" PER FOOT
MAY SLOPE 4" CI @ 1/8" PER FOOT
VENTS SHALL TERMINATE NOT LESS THAN 10 FEET FROM OR AT LEAST 3 FT. ABOVE ANY WINDOW, DOOR, AIR INTAKE OR VENT SHAFT, NOR LESS THAN 3FT. IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY AND STREET EXCEPTED; EXTEND 6" ABOVE THE ROOF

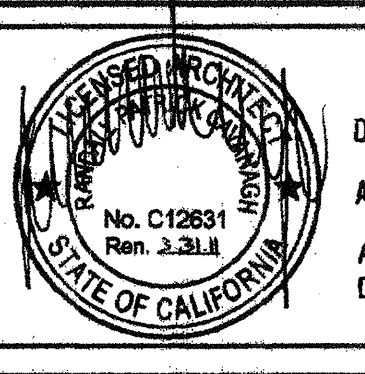
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 11/01/09
SCALE: NOTED
DRAWN BY: D.J.M.
SERIAL NO.:

CUSTOMER:
30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
ISOMETRIC PLAN & DETAILS

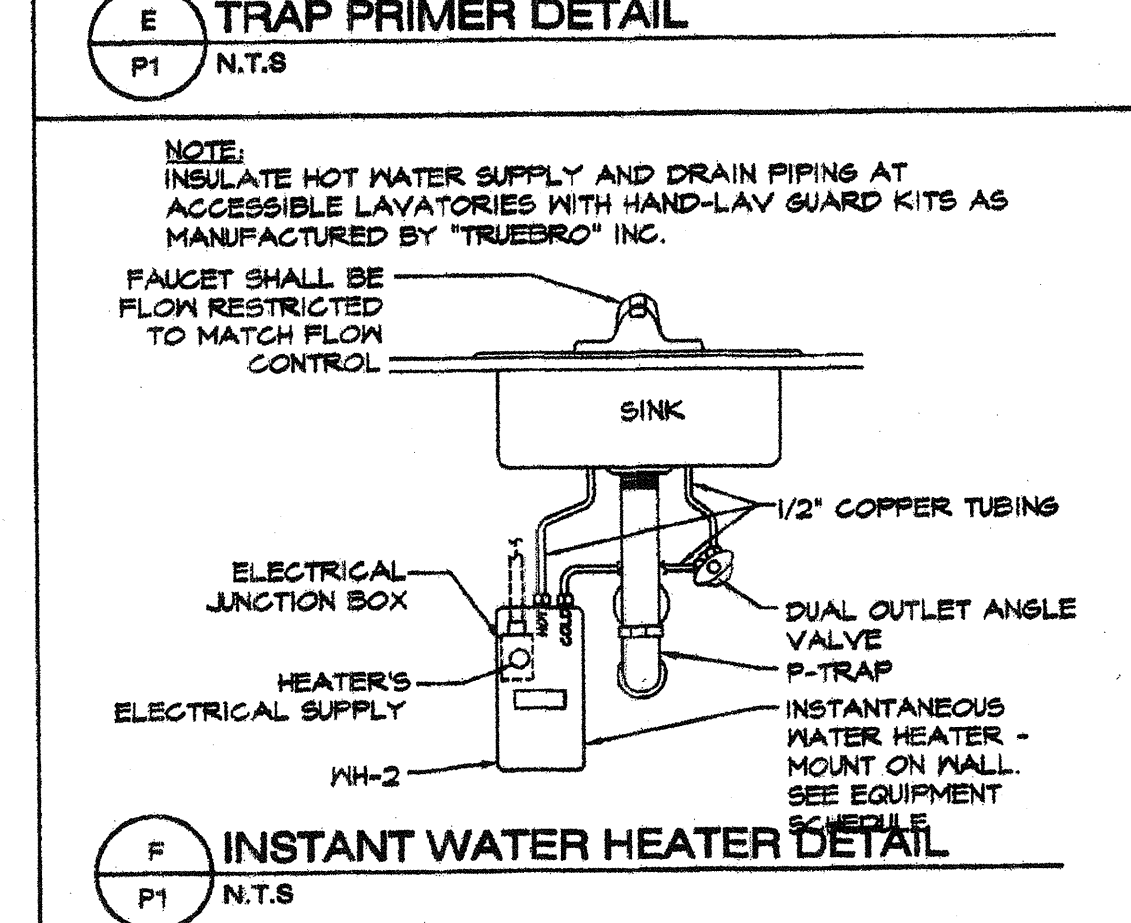
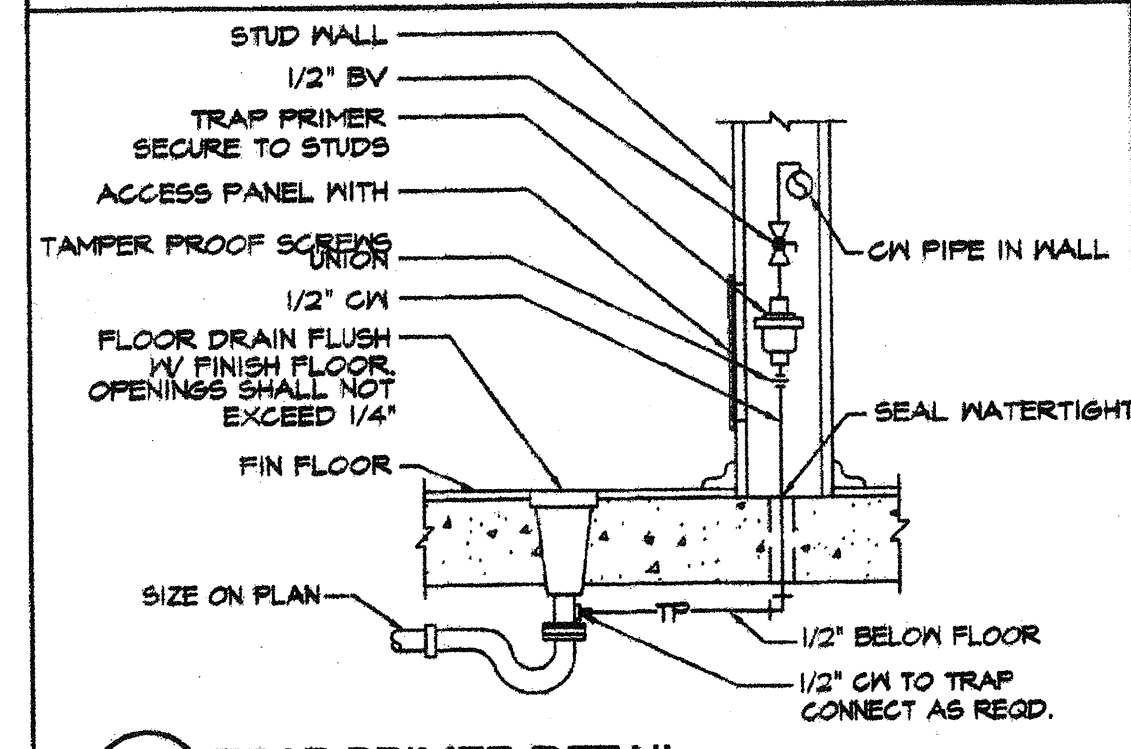
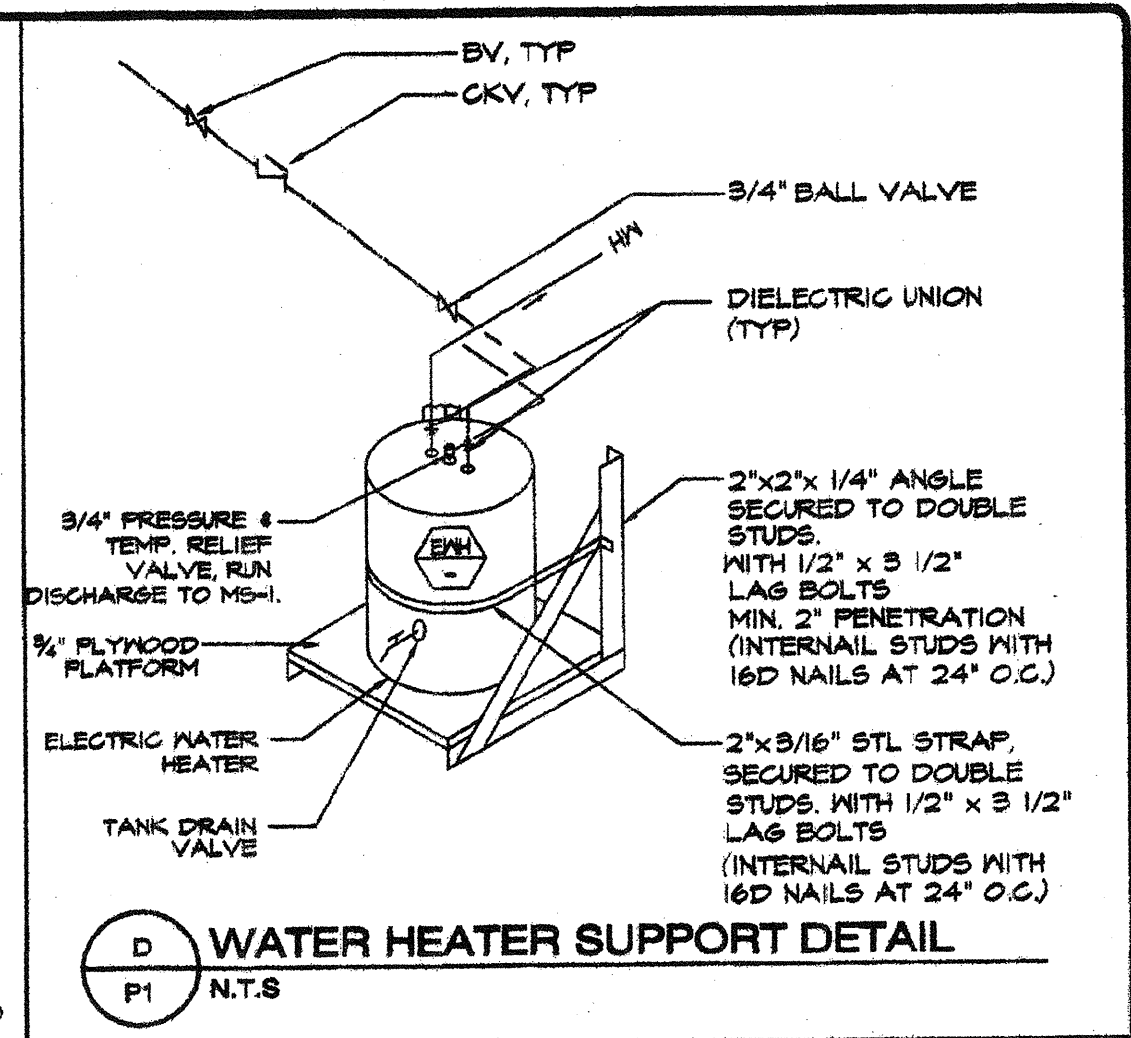
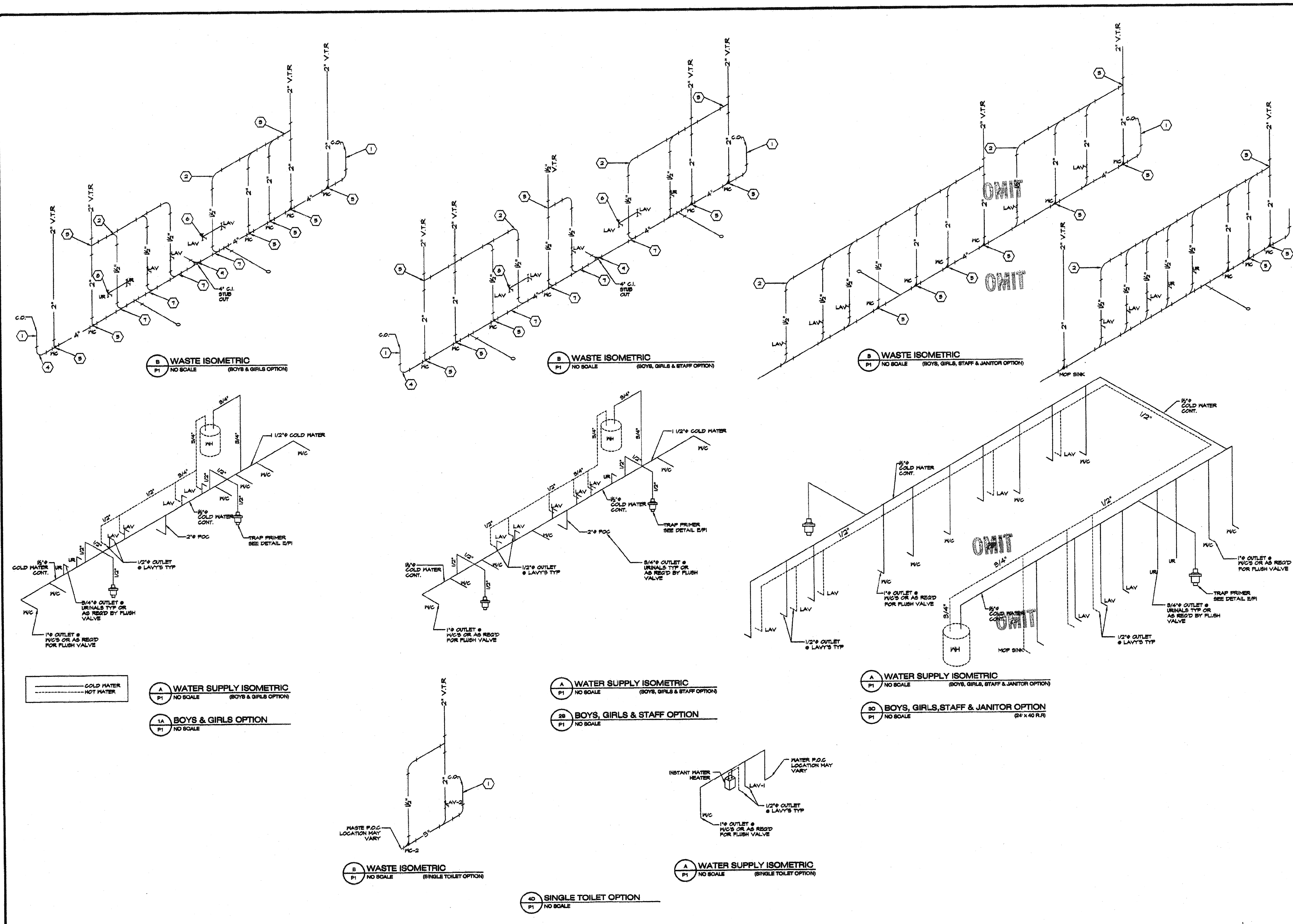


APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 1 1 3 8 2 8
DATE: JUL 6 2011

PROJECT No.
P1



- PIPE FITTING CALLOUTS**
- 4" CLEAN CUT
 - VENT 90
 - 4" CROSS
 - 4" QUARTER BEND
 - SMITHROSCOP CARRIER
 - 2" SANITARY TAP TEE
 - 4x4x2 COMBINATION FLYE 1/8 BEND
 - 2x2x1/2 SANITARY TEE
 - 4" DOUBLE COMBINATION
 - 2"x18" LONG CU AIR CHAMBER
 - 1" CN STUB & WATER CLOSETS
 - 3/4" CN STUB & URINALS
 - 1/2" CN STUB & LAVATORIES

SHEET NOTES

- DWV PIPING SHALL BE ABS PLASTIC
- COLD WATER SUPPLY SHALL BE TYPE L COPPER
- DWV PIPING:
 - MIN SLOPE 1/4" PER FOOT
 - HAY SLOPE 4" CV @ 1/2" PER FOOT
 - VENTS SHALL TERMINATE NOT LESS THAN 10 FEET FROM OR AT LEAST 5 FT. ABOVE ANY WINDOW, DOOR, AIR INTAKE OR VENT SHUNT, NOR LESS THAN 5 FT. IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY AND STREET EXCEPTED; EXTEND 6" ABOVE THE ROOF

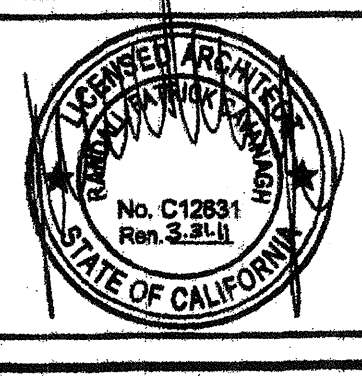
REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 10-12-09
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
ISOMETRIC PLANS & DETAILS

ZMS
American Modular Systems Inc.
787 Spradelle Ave. Marietta, GA 30066
(770) 585-1821 Fax (770) 585-7018
amermodular.com

APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 03 11 3 8 2 8
AC. 011 FLS 01 383
DATE: JUL 6 8 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 110618
AC. 011 FLS 01 383
DATE: NOV 17 2009

PROJECT No.
P1

MODULAR ELEVATOR

CALIFORNIA DEPARTMENT OF GENERAL SERVICES
DIVISION OF THE STATE ARCHITECT



STRUCTURAL TESTS AND INSPECTIONS
DSA-103

STRUCTURAL TESTS AND INSPECTIONS

Testing Laboratory: _____ Date: _____ File Number: _____
Name: _____ Application Number: _____
District / Owner: _____
Architect: _____
Structural Engineer: _____

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	Concrete	Shotcrete	Grout	Mortar	Test of segregation for mix design only
<input type="checkbox"/> Fill material, acceptance tests					Subsidiary tests of aggregates as detailed below
<input type="checkbox"/> Compaction control, continuous					Mix designs
<input type="checkbox"/> Compaction tests only as ordered					Continuous batch plant inspection
<input type="checkbox"/> Bearing capacity of compacted fill					Inspect placing
REINFORCING STEEL					Compression tests
<input type="checkbox"/> Sample and test bar steel					Task to complete if job
<input type="checkbox"/> Sample and test mesh					Samples delivered to laboratory
<input type="checkbox"/> Inspect placing of job					Deliver sample forms to job site
STRUCTURAL STEEL					Sample and test cement
<input type="checkbox"/> Sample and test as detailed below					
<input type="checkbox"/> Shop fabrication inspection					
<input type="checkbox"/> Field erection inspection					
<input type="checkbox"/> Inspection of welds - Shop					
<input type="checkbox"/> Inspection of welds - Field					
<input type="checkbox"/> Inspection of bolting - Shop					
<input type="checkbox"/> Inspection of bolting - Field					
<input type="checkbox"/> Sample and test high strength bolts and washers					
BRICK AND BLOCK					
<input type="checkbox"/> Sample and test					
<input type="checkbox"/> Test only					
<input type="checkbox"/> Inspection of placing					
<input type="checkbox"/> Core cut samples					
GLUED LAMINATED STRUCTURAL LUMBER					
<input type="checkbox"/> Fabrication inspection					
<input type="checkbox"/> Sample and test steel accessories					
<input type="checkbox"/> Inspect fabrication of steel accessories					

Material: _____ Maximum Size: _____ Compressive Strength, PSI Minimum (28 DAY): _____
NSG: _____ 4" 8000 PSI (28 DAY)
CONC.: _____ 3000

Light Gauge Steel with $F_y = 60$ KSI NOT IDENTIFIED BY MILL CERTIFICATE & HOLLOW STEEL SECTIONS
Is this list continued on reverse? YES NO
Other tests and inspections, together with special instructions: _____
Copies of reports to: _____
By: _____ Authorized Representative

Are these instructions continued on reverse? YES NO

DSA-103 (rev. 04-01-07) CALIFORNIA DEPARTMENT OF GENERAL SERVICES Page 1 of 1

NOTE:
DESIGN MIX NOT REQUIRED FOR NSG.

SHEET INDEX

- S1 COVER SHEET
- S2 GENERAL NOTES
- S3 FOUNDATION PLAN OPTIONS
- S3A FOUNDATION DETAILS
- S4 ROOF PLAN OPTIONS
- S4A ROOF DETAILS
- S5 SECTIONS
- S5.1 SECTIONS
- S5A TYPICAL WALL DETAILS
- S5B WALL DETAILS
- S6 BRIDGE / SPLICE DETAILS
- A1 DETAILS
- A1.G DETAILS GURNEY
- A2 HOLELESS ELEVATOR PLANS, DETAILS & ELEVATION
- A2.G HOLELESS ELEVATOR PLANS, DETAILS & ELEVATION GURNEY
- A3 IN GROUND ELEVATOR PLAN, DETAILS & ELEVATION
- A3.G IN GROUND ELEVATOR PLAN, DETAILS & ELEVATION OPPOSITE OPENING GURNEY
- A4 ACCESS COMPLIANCE
- A4.G ACCESS COMPLIANCE GURNEY

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2008

- 2007 Building Standards Administrative Code, Part 1, Title 24 C.C.R.
- 2007 California Building Code (CBC), Part 2, Title 24 C.C.R.
- (2006 International Building Code Volumes 1-3 and 2007 California Amendments)
- 2007 California Electrical Code (CEC), Part 3, Title 24 C.C.R.
- (2005 National Electrical Code and 2007 California Amendments)
- 2007 California Mechanical Code (CMC) Part 4, Title 24 C.C.R.
- (2006 International Mechanical Code and 2007 California Amendments)
- 2007 California Plumbing Code (CPC), Part 5, Title 24 C.C.R.
- (2006 International Plumbing Code and 2007 California Amendments)
- 2007 California Energy Code, Part 6, Title 24 C.C.R.
- 2004 Safety Code for Elevators and Escalators (ASME A17.1-2004)
- 2007 California Energy Code, Part 6, Title 24 C.C.R.
- 2004 Safety Code for Elevators and Escalators (ASME A17.1-2004)
- 2007 California Fire Code, Part 9, Title 24 C.C.R.
- (2006 International Fire Code and 2007 California Amendments)
- 2007 California Existing Building Code, Part 10, Title 24 C.C.R.
- (2006 International Existing Building Code and 2007 California Amendments)
- 2007 California "Green" Building requirements, Part 11, Title 24 C.C.R. (pending adoption)
- 2007 California Referenced Standards, Part 12, Title 24 C.C.R.
- Title 19 C.C.R., Public Safety, State Fire Marshal Regulations.

PARTIAL LIST OF APPLICABLE STANDARDS

- | | | |
|----------|---|--------------|
| NFPA 13 | Automatic Sprinkler Systems | 2002 Edition |
| NFPA 14 | Standpipe Systems | 2003 Edition |
| NFPA 17 | Dry Chemical Extinguishing Systems | 2002 Edition |
| NFPA 17a | Wet Chemical Systems | 2003 Edition |
| NFPA 20 | Stationary Pumps | 2003 Edition |
| NFPA 24 | Private Fire Mains | 2002 Edition |
| NFPA 72 | National Fire Alarm Code (California Amended) | 2002 Edition |
- (Note See UL Standard 1971 for "Visual Devices")
- | | | |
|-----------|---|--------------|
| NFPA 253 | Critical Radiant Flux of Floor Covering Systems | 2006 Edition |
| NFPA 2001 | Clean Agent Fire Extinguishing Systems | 2004 Edition |
| ASME 17.1 | Elevator Standard | 2004 Edition |
- Reference code sections for applicable Standards - 2007 CBC Chapter 35 and 2007 CFC Chapter 45.

DESIGN CRITERIA:

OCCUPANCY CATEGORY: III
LIVE LOADS: 20.0 PSF (REDUCIBLE) TYP
ROOF: _____
SNOW LOADS: _____
 $P_g = 55$ PSF
LATERAL LOADS: _____ $K_{rr}=1.0$

WIND EXPOSURE: C
WIND SPEED: 85 MPH (3 SEC GUST)
IMPORTANCE FACTOR: 1.15
INTERNAL PRESSURE COEFFICIENT: GC_{pi} = ±0.18 (ENCLOSED)
COMPONENTS & CLADDING (DESIGNED BY OTHERS): _____
ROOF CLADDING: 238.1 PSF
CLADDING: 324.2 PSF

SEISMIC
 $V =$ EQUIVALENT LATERAL FORCE PROCEDURE BASE SHEAR (STRENGTH DESIGN)
 $V = C_d W = 0.38 W$
 $C_d = 0.38$
 $(R/2)$

BASIC SEISMIC-FORCE-RESISTING SYSTEM: ORDINARY STEEL CONCENTRICALLY BRACED FRAMES

$R = 3.25$ SITE CLASS = D
 $I = 1.25$ $S_{ps} = 1.5$ $F_a = 1.0$ $S_{ps} = 1.0$
 $S_{fo} = 2$ $F_v = 1.5$ $S_{fo} = 1.0$
 $Q = 3.25$ SEISMIC DESIGN CATEGORY D

FLOOD DESIGN DATA
BUILDING NOT LOCATED IN FLOOD HAZARD AREA

SPECIAL LOADS
NONE APPLICABLE

PROJECT DATA
OCCUPANCY CLASSIFICATION: E
CONSTRUCTION TYPE: V-8 (NON-RATED) SEE NOTE 2
V-8 (NON-RATED)
V-8 (NON-RATED)
V-8 (NON-RATED)
V-8 (NON-RATED)
ELEVATOR BUILDING AREA: 57 SQ FT (APPROX)
MODULAR EQUIPMENT ROOM AREA: 64 SQ FT (APPROX)
NUMBER OF STORES: 2-3
FIRE SPRINKLERS: NO

NOTES:
1. THESE PLANS ARE APPROVED BY DSA. ELEVATOR CANNOT BE SET WITHOUT A SITE SPECIFIC APPLICATION, ALSO, THESE SITE SPECIFIC APPLICATIONS MUST INCLUDE THE FOLLOWING:
SPEC & DETAILS FOR ROOFING, FINISHES (SEE 6/54, 6/54A) FLASHING, AND ELECTRICAL.
2. RATING OF CONSTRUCTION DEPENDS ON ELEVATOR LOCATION. PROJECT ARCHITECT TO DETERMINE CONSTRUCTION TYPE.
THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY CIS STRUCTURAL ENGINEERS, INC.

THE ITEMS LISTED BELOW HAVE BEEN COORDINATED WITH MY PLANS AND SPECIFICATIONS AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).

MEM A DRAWINGS HAVE BEEN REVIEWED AND ACCEPTED.

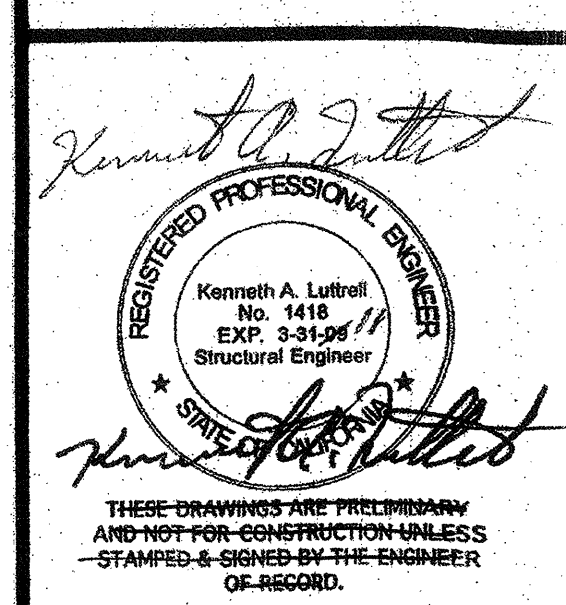
SIGNATURE OF THE ARCHITECT/ENGINEER: _____ DATE: _____
LICENSE NUMBER: _____ EXPIRATION DATE: _____

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPB 113828
AC: _____
DATE: _____

STRUCTURAL
Reviews
FILE NO.

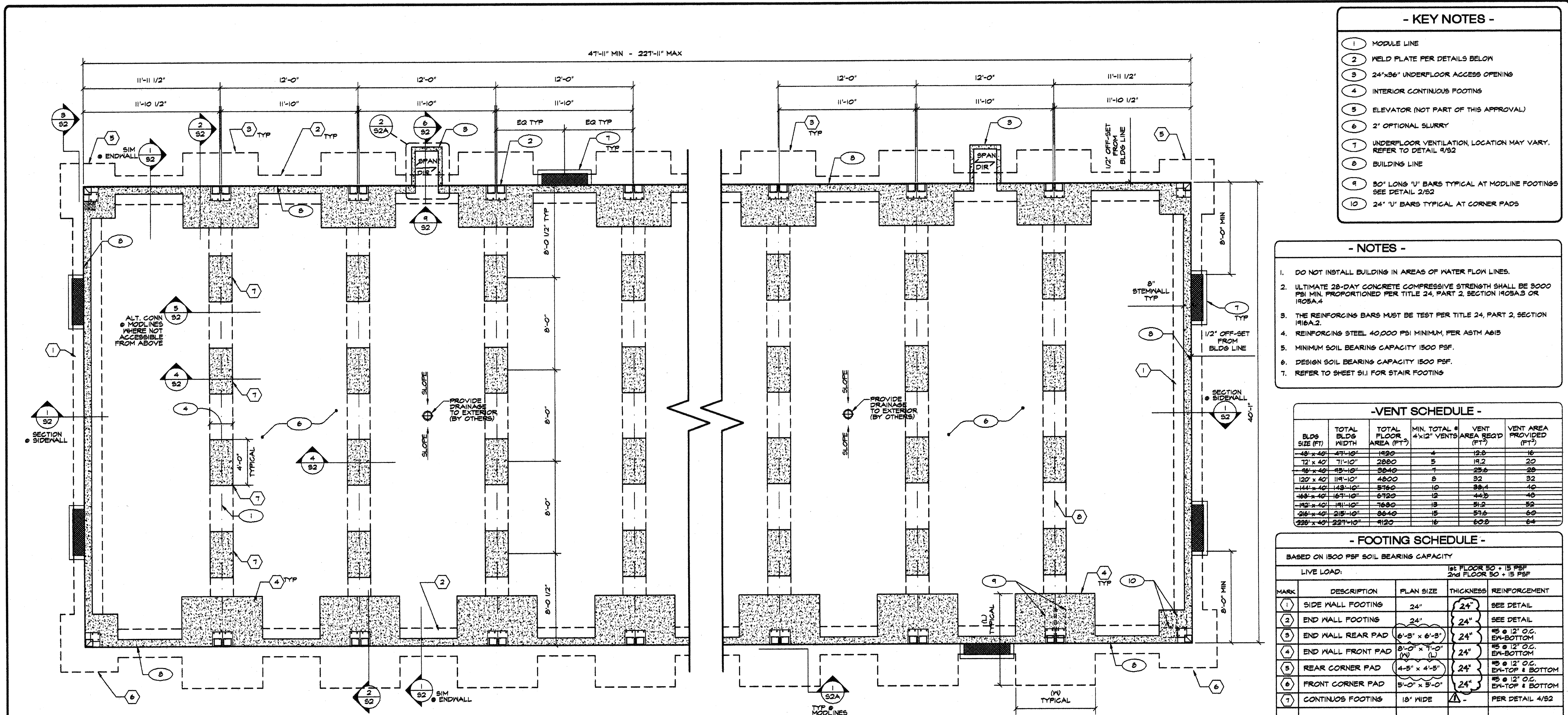
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-106579
AC: _____
DATE: _____

NO.	DATE	REVISION



MODULAR ELEVATOR
MANUFACTURING, INC.
P.O. BOX 3998
CHATSWORTH, CA. 91313
866-926-9083

PROJECT NO.: _____
DATE: 4/17/08
ENGINEERED BY: _____
DRAWN BY: KPM
SHEET NAME: COVER SHEET
SHEET NO.: S1



- KEY NOTES -**
- 1 MODULE LINE
 - 2 WELD PLATE PER DETAILS BELOW
 - 3 24"x36" UNDERFLOOR ACCESS OPENING
 - 4 INTERIOR CONTINUOUS FOOTINGS
 - 5 ELEVATOR (NOT PART OF THIS APPROVAL)
 - 6 2" OPTIONAL SLURRY
 - 7 UNDERFLOOR VENTILATION, LOCATION MAY VARY. REFER TO DETAIL 4/S2
 - 8 BUILDING LINE
 - 9 50' LONG 1" BARS TYPICAL AT MODLINE FOOTINGS SEE DETAIL 2/S2
 - 10 24" 1" BARS TYPICAL AT CORNER PADS

- NOTES -**
1. DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
 2. ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 PSI MIN. PROPORTIONED PER TITLE 24, PART 2, SECTION 1405A.4 OR 1405A.4
 3. THE REINFORCING BARS MUST BE TEST PER TITLE 24, PART 2, SECTION 1405A.2
 4. REINFORCING STEEL 40,000 PSI MINIMUM PER ASTM A615
 5. MINIMUM SOIL BEARING CAPACITY 1500 PSF.
 6. DESIGN SOIL BEARING CAPACITY 1500 PSF.
 7. REFER TO SHEET S11 FOR STAIR FOOTING

- VENT SCHEDULE -

BLDG SIZE (FT)	TOTAL BLDG WIDTH	TOTAL FLOOR AREA (FT ²)	MIN. TOTAL # 4"x12" VENTS	VENT AREA PROVIDED (FT ²)	VENT AREA REQUIRED (FT ²)
12 x 40	40	4800	4	12.0	12.0
12 x 40	40	4800	5	15.0	20.0
12 x 40	40	4800	7	21.0	28.0
12 x 40	40	4800	8	24.0	32.0
12 x 40	40	4800	10	30.0	40.0
12 x 40	40	4800	12	36.0	48.0
12 x 40	40	4800	15	45.0	60.0
12 x 40	40	4800	18	54.0	72.0

- FOOTING SCHEDULE -

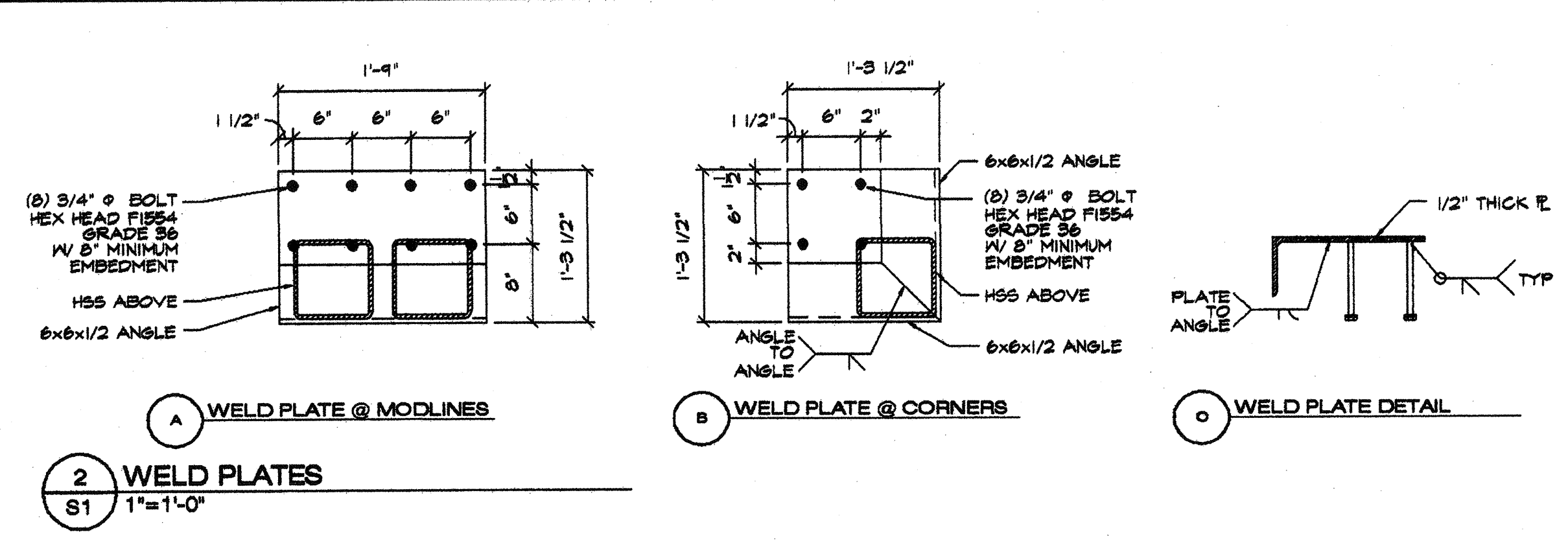
BASED ON 1500 PSF SOIL BEARING CAPACITY

MARK	DESCRIPTION	PLAN SIZE	THICKNESS	REINFORCEMENT
1	SIDE WALL FOOTING	24"	24"	SEE DETAIL
2	END WALL FOOTING	24"	24"	SEE DETAIL
3	END WALL REAR PAD	6'-3" x 6'-3"	24"	#5 @ 12" O.C. EM-BOTTOM
4	END WALL FRONT PAD	8'-0" x 7'-0" (W) (L)	24"	#5 @ 12" O.C. EM-BOTTOM
5	REAR CORNER PAD	4'-5" x 4'-5"	24"	#5 @ 12" O.C. EM-TOP & BOTTOM
6	FRONT CORNER PAD	5'-0" x 5'-0"	24"	#5 @ 12" O.C. EM-TOP & BOTTOM
7	CONTINUOUS FOOTING	18" WIDE	-	PER DETAIL 4/S2

- FOOTING SCHEDULE -

BASED ON 1500 PSF SOIL BEARING CAPACITY

MARK	DESCRIPTION	PLAN SIZE	THICKNESS	REINFORCEMENT
1	SIDE WALL FOOTING	30"	12"	SEE DETAIL
2	END WALL FOOTING	30"	12"	SEE DETAIL
3	END WALL REAR PAD	6'-0" x 6'-0"	16"	#5 @ 12" O.C. EM-BOTTOM
4	END WALL FRONT PAD	8'-0" x 7'-0" (W) (L)	16"	#5 @ 12" O.C. EM-BOTTOM
5	REAR CORNER PAD	4'-7" x 4'-7"	16"	#5 @ 12" O.C. EM-TOP & BOTTOM
6	FRONT CORNER PAD	5'-0" x 5'-0"	16"	#5 @ 12" O.C. EM-TOP & BOTTOM
7	CONTINUOUS FOOTING	24" WIDE	-	PER DETAIL 4/S2



1 TYPICAL FOUNDATION PLAN
1/4" = 1'-0"

REVISIONS

NO.	DATE	DESCRIPTION
1	06/07/11	KRPPFL D.S.A.S.S.

DATE: 09-09-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

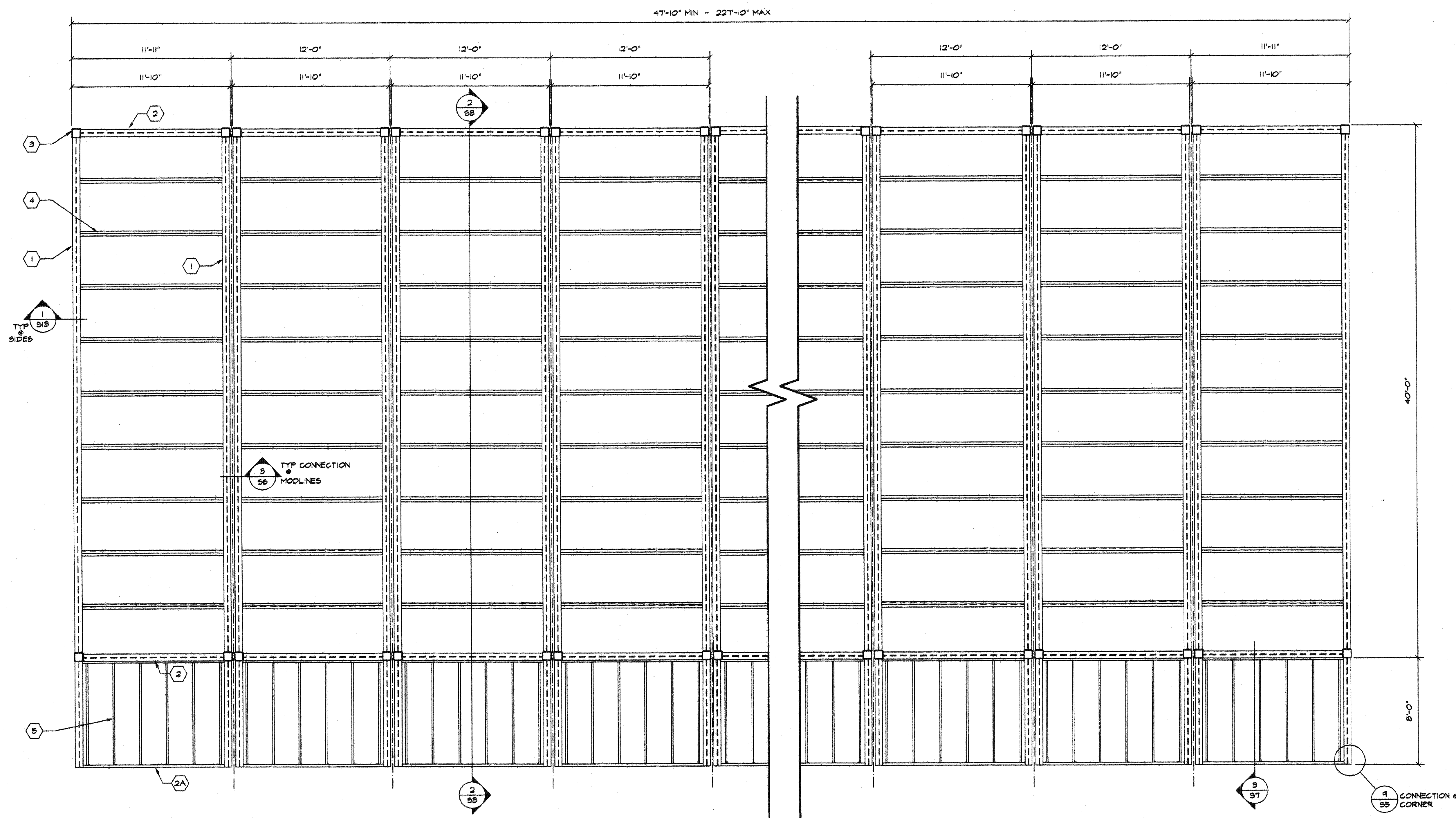
CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
TYPICAL FOUNDATION PLAN



APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS SIGNED & SEALED BY THE ENGINEER OF RECORD.

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROVAL STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC
S1

- KEY NOTES -
- 1 N 21x44 LONGITUDINAL BEAM
 - 2 N 21x44 TRANSVERSE
 - 2A 2x2 1/2x1/2x20 FORGED FASCIA C CHANNEL
 - 3 REFER TO HSS SCHEDULE ON SHEETS S3 & S4 FOR SIZES
 - 4 6x2 1/2x1/2x20 Z-FORMED ROOF PURLIN @ 48" O.C. MAX
 - 5 6008162-39 STEEL STUDS @ 24" O.C. PER DETAIL 3/51 SEE SECTION PROPERTIES ON SHEET S17



1 TYPICAL GROUND FLOOR - ROOF FRAMING LAYOUT
S10 1/4\"/>

REVISIONS	
NO	DESCRIPTION

DATE: 05-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
TYPICAL FIRST FLOOR - ROOF FRAMING LAYOUT



APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
Professional Engineer Seal: Robert A. Linnell, No. 1419, Exp. 3/31/11, State of California.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APR 03 11 3 8 2 8
AC: FLS SS 40
DATE: JUL 08 2011

PROJECT NO.
PC
S10

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GENERAL NOTES

PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS:
(BOLTS MUST HAVE ESR APPROVAL)

TEST VALUES		
HARDROCK OR LIGHTWEIGHT CONCRETE		
ANCHOR DIA. (IN.)	WEDGE LOAD (LBS.)	TORQUE (FT.-LBS.)
1/4	800	10
5/16	-	-
3/8	1100	25
1/2	2000	50
5/8	2300	80
3/4	3700	150
1	5800	250

NOTES:

- ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE AND SHELL CATEGORIES AND TO THE ANCHOR OUTSIDE DIAMETER FOR THE SLEEVE CATEGORY.
- APPLY PROOF TEST LOADS TO WEDGE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT & INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH & APPLY LOAD.
- NOT USED.
- REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
- NOT USED.
- TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
- TORQUE TEST VALUES FOR SHELL TYPE ANCHORS ARE OMITTED DUE TO A LACK OF DATA. TORQUE TESTING CAN OCCUR ON AN INDIVIDUAL BASIS WHEN TEST PROCEDURES ARE SUBMITTED AND APPROVED BY THE ENFORCEMENT AGENCY. TABULATED VALUES MAY BE FORTHCOMING ONCE THE ENFORCEMENT AGENCY HAS MORE DATA TO EVALUATE THE FEASIBILITY OF STANDARD TORQUE VALUES.
- THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
 - HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
 - TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:
 - ONE-HALF (1/2) TURN OF THE NUT.
- IF THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE IS LESS THAN THE TEST TORQUE NOTED IN THE TABLE THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE SHOULD BE USED IN LIEU OF THE TABULATED VALUES.

MASONRY:

- ALL CONCRETE BLOCK UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C-90 GRADE N-1.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT REBAR SIZES NO. 3 AND 4 MAY BE GRADE 40.
- REINFORCING STEEL SHALL LAP A MINIMUM OF 48 BAR DIAMETERS AND ALL SPLICES SHALL BE STAGGERED UNLESS OTHERWISE NOTED. SEE CONCRETE AND REINFORCING STEEL SECTION ABOVE FOR OTHER REQUIREMENTS.
- REINFORCING STEEL SHALL HAVE MINIMUM 1/2 INCH OR ONE BAR DIAMETER GROUT COVERAGE.
- GROUT AND MORTAR MIX SHALL BE DESIGNED BY A TESTING LABORATORY
- THE 28 DAY MATERIAL STRENGTHS SHALL BE AS FOLLOWS:
CONCRETE BLOCK UNIT.....2800 PSI
MORTAR (TYPE M OR S).....2400 PSI
GROUT (COARSE).....2800 PSI
- THE MASONRY DESIGN IS BASED ON F_m=2000 PSI AT 28 DAYS.
- NO PIPES OR DUCTS SHALL BE PLACED IN MASONRY WALLS UNLESS SPECIFICALLY NOTED OR DETAILED.
- ALL CELLS ARE TO BE GROUTED SOLID UNLESS OTHERWISE NOTED.
- ALL BLOCK UNITS SHALL BE LAID IN RUNNING BOND. CONSTRUCTION SHALL CONFORM TO CBC 2102A.1
- HORIZONTAL CONSTRUCTION JOINT AT TOP OF CMU WALL SHALL BE FORMED BY STOPPING THE GROUT 1/2 INCH BELOW THE TOP OF THE BLOCKS.
- SIKA GROUT AD TYPE III SHALL BE USED FOR ADMIXTURE.
- BOLTS EMBEDDED IN MASONRY SHALL BE GROUTED IN PLACE WITH NOT LESS THAN 1" OF GROUT BETWEEN THE BOLT AND THE MASONRY UNIT. BOLTS SHALL BE PLACED ACCURATELY WITH A TEMPLATE. USE BOND BEAM, OPEN ENDS AND OTHER SPECIAL SHAPES AS REQUIRED TO FACILITATE REINFORCING STEEL INSTALLATION.
- SPLICE ALL SHEAR WALL JAMB STEEL 72 BAR DIAMETER
- LOW-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO SECTION 2104A.6.1.1.2
 - UNITS SHALL BE LAID A MAXIMUM OF 4 FEET BEFORE GROUTING, AND ALL OVER-HANGING MORTAR AND MORTAR DROPPINGS SHALL BE REMOVED.
 - GROUTING SHALL FOLLOW EACH 4 FEET OF CONSTRUCTION LAID AND SHALL BE CONSOLIDATED SO AS TO COMPLETELY FILL ALL VOIDS AND EMBED ALL REINFORCING STEEL.
 - WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT NOT LESS THAN 1/2 INCH OR MORE THAN 2 INCHES BELOW THE TOP OF THE UPPERMOST UNIT GROUTED.
 - HORIZONTAL STEEL SHALL BE FULLY EMBEDDED IN GROUT IN AN UNINTERRUPTED POUR.
- HIGH-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO SECTION 2104A.6.1.1.3 AND IR21-2
 - UNITS SHALL BE LAID A MAXIMUM OF 12 FEET FOR 8" WALL AND 16 FEET FOR 12" WALL FOR EACH CONTINUOUS GROUT POUR IN SAME WORKING DAY. ALL OVERHANG MORTAR SHALL BE REMOVED.
 - CLEAN-OUT OPENINGS SHALL BE PROVIDED IN EVERY CELL AT THE BOTTOM OF EACH POUR OF GROUT.
 - THE FOUNDATION OR OTHER HORIZONTAL CONSTRUCTION JOINTS SHALL BE CLEANED OF ALL LOOSE MATERIAL AND MORTAR DROPPINGS BEFORE EACH POUR.
 - THE CLEANOUTS SHALL BE SEALED BEFORE GROUTING.
 - EACH GROUT LIFT SHALL BE LIMITED TO A MAXIMUM OF 4 FEET. LENGTH OF WALL TO BE GROUTED IS LIMITED TO A LENGTH IN WHICH SUCCESSIVE LIFTS CAN BE PLACED WITHIN ONE HOUR OF THE PRECEDING LIFTS.
 - VERTICAL BARRIERS OF MASONRY MAY BE BUILT ACROSS THE GROUT SPACE. THE GROUTING OF ANY SECTION OF WALL BETWEEN BARRIERS SHALL BE COMPLETED IN ONE DAY.
 - POUR NO GROUT UNTIL THE MORTAR HAS BEEN SET AND CURED.

CONCRETE AND REINFORCING STEEL:

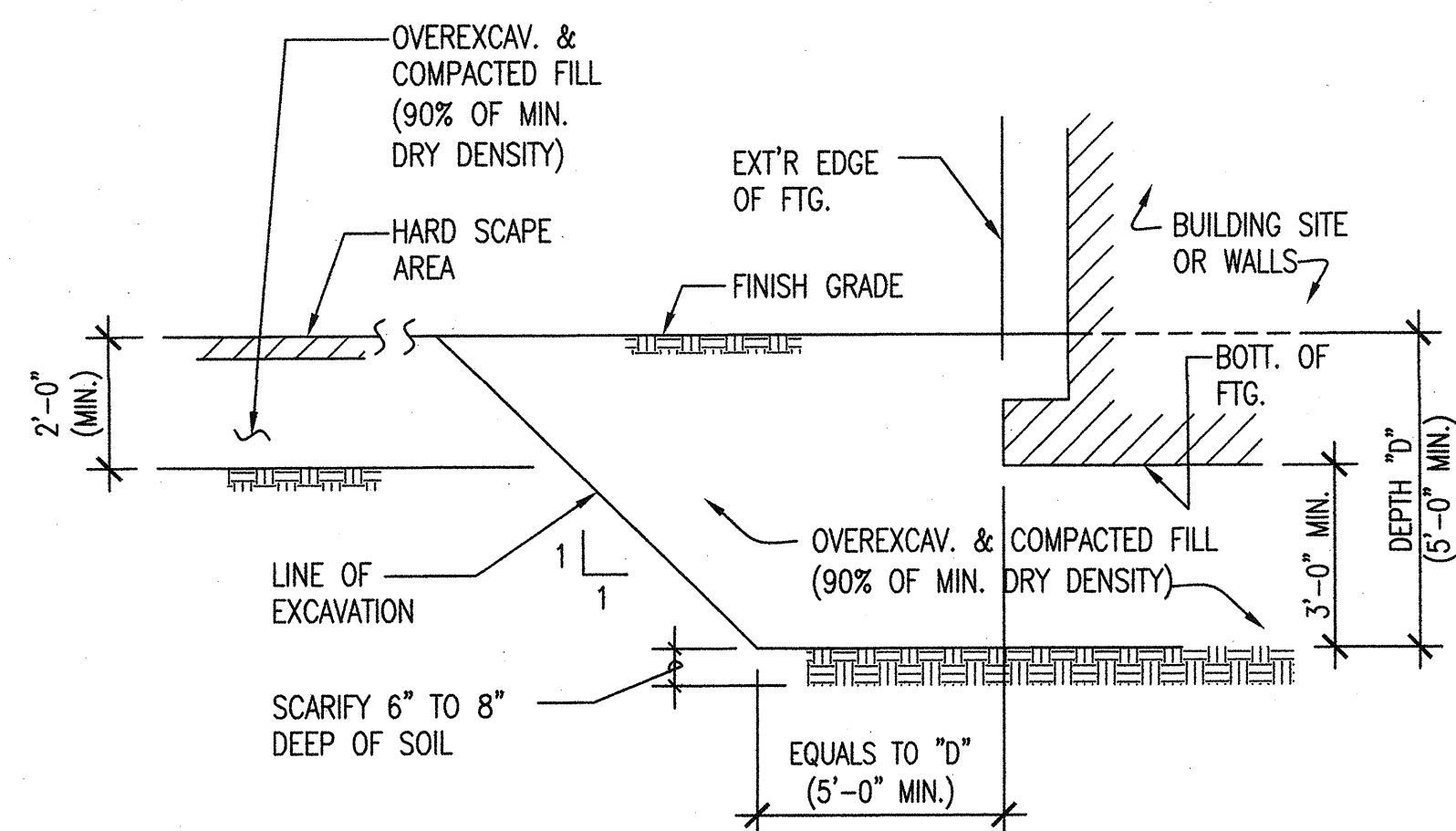
- GENERAL:
 - NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
 - REFER TO ARCHITECTURAL DRAWINGS AND STRUCTURAL DRAWINGS FOR ALL MOULDS, GROOVES, ORNAMENTS, CLIPS AND GROUNDS TO BE CAST IN CONCRETE.
- AGGREGATES: NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33. EXPANDED CLAY SHALE AGGREGATES SHALL CONFORM TO ASTM C330.
- THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS: (HR=HARDROCK, LW=LT. WEIGHT)

FOOTINGS, GRADE BEAMS AND WALLS.....	150 PCF, F _c =4000 PSI(HR)
STRUCTURAL SLAB, BEAMS & COLUMNS.....	150 PCF, F _c =4000 PSI(HR)
SLAB-ON-GRADE.....	150 PCF, F _c =2500 PSI(HR)
ALL OTHERS UNLESS NOTED.....	150 PCF, F _c =3000 PSI(HR)
- CONCRETE MIXES SHALL BE DESIGNED BY AN APPROVED TESTING LABORATORY. MINIMUM CEMENT CONTENT FOR SLAB-ON-GRADE SHALL BE 5.3 SACKS PER CUBIC YARD.
 - UNLESS OTHERWISE APPROVED, CONCRETE SLUMP SHALL NOT EXCEED FOUR INCHES.
 - FLYASH WHEN APPROVED BY THE ARCHITECT/ENGINEER SHALL NOT EXCEED 12% (PER CENT) VOLUME OF THE TOTAL CEMENT CONTENT.
- ADDITIONAL NOTES:
 - ALL REINFORCING STEEL SHALL HAVE A 57 BAR DIAMETER MINIMUM SPLICE LAP (2'-0" MINIMUM) UNLESS OTHERWISE NOTED.
 - SPLICES OF HORIZONTAL REINFORCING IN WALLS SHALL BE STAGGERED.
 - LAP VERTICAL COLUMN REINFORCING A MINIMUM OF 30 BAR DIAMETER FOR #11 BARS OR SMALLER.
 - BOWELS FOR COLUMNS AND WALLS SHALL BE SAME SIZE AND SPACING AS THE COLUMN OR WALL VERTICAL REINFORCING UNLESS NOTED OTHERWISE.
- MINIMUM CONCRETE COVERAGE: THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN ANY REINFORCING STEEL AND FACE OF SHALL BE MAINTAINED UNLESS OTHERWISE INDICATED.

CURBS ON EARTH.....	1" FROM TOP OF SLAB
SLABS OR STEM WALLS.....	CENTER OF WALL
WALLS ABOVE GRADE-EXTERIOR FACE.....	1" FOR #5 & SMALLER 2" FOR #6 AND LARGER
WALLS-INTERIOR FACE.....	1"
COLUMNS, PILASTER.....	1"
CONCRETE BELOW GRADE-POURED AGAINST EARTH.....	3"
CONCRETE BELOW GRADE-FORMED EXTERIOR.....	2"
- REINFORCING STEEL IN STRUCTURAL SLABS, WALLS AND FOOTINGS SHALL CONFORM TO ASTM A-615, GRADE 60, EXCEPT REBAR TIES AND STIRRUPS NO. 3 AND 4 MAY BE GRADE 40.
- ANCHOR BOLTS, DOWELS, INSERTS, ETC. SHALL BE SECURELY TIED IN PLACE PRIOR TO THE PLACING OF ANY CONCRETE OR GROUT.
- CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE II
- WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D12.1 USING PROPER HYDROGEN ELECTRODES WELDED REINFORCING STEEL SHALL CONFORM TO ASTM 706. GRADE 60. WELDING ELECTRODE SHALL BE E70XX U.N.O.
- WHERE DRILLED ANCHORS ARE USED, COORDINATE POSITIONING WITH REINFORCING STEEL.

FOUNDATIONS:

- ALL EXCAVATION, GRADING, COMPACTION, ETC. SHALL BE ACCOMPLISHED AND PERFORMED IN ACCORDANCE WITH THE SOILS REPORTS AS PREPARED BY GORIAN AND ASSOCIATES. WORK ORDER #2894-0-0-100 DATED MARCH 4, 2011 THE RECOMMENDATIONS CONTAINED THEREIN ARE TO BE FOLLOWED AND CONSIDERED AS MINIMUM UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED OR DETAILED IN THE DRAWINGS OR SPECIFICATIONS.
- ALL FOOTINGS SHALL BE CARRIED TO A MINIMUM DEPTH OF 24 INCHES BELOW THE LOWEST ADJACENT FINAL GRADE. ALLOWABLE SOILS BEARING PRESSURE=2000 PSF
- FOUNDATIONS SHALL BE OF THE SIZE AND TYPE AS INDICATED IN THE DRAWINGS.
- ALL EXCAVATIONS ARE TO BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF ANY FILL, OR REINFORCING STEEL.
- ALL CONCRETE FOR CONCRETE-ON-GRADE CONSTRUCTION INCLUDING BUT NOT LIMITED TO SLAB-ON-GRADE, FOOTINGS, GRADE BEAMS, STEM WALLS, ETC. SHALL HAVE TYPE II CEMENT LOW ALKALI.
- FOR TRENCHES OR EXCAVATIONS 5 FEET OR MORE IN DEPTH, INTO WHICH A PERSON REQUIRED TO DESCEND, CONTRACTOR SHALL OBTAIN NECESSARY PERMIT FROM THE STATE OR CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE ISSUANCE OF A BUILDING OR GRADING PERMIT.
- THE GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE ALL EXCAVATIONS, SHORING INSTALLATIONS, BACKFILL MATERIALS AND BACKFILLING PROCEDURES.



NOTE: ALL OVEREXCAVATION AND COMPACTION SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER. DEEPER REMOVAL OF SOILS MAY BE NECESSARY IF LOOSE SOILS IS FOUND AND DETERMINED BY THE SOILS ENGINEER.

A

GENERAL NOTES:

- THE FOLLOWING NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS NOTED OTHERWISE.
- ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE 2010 CALIFORNIA BUILDING CODE (BASED ON 2009 INTERNATIONAL BUILDING CODE).
- IT IS MANDATORY THAT THE CONTRACTOR COORDINATE AND VERIFY ALL DIMENSIONS, ELEVATIONS, DETAILS, ETC., WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ANY OTHER DRAWINGS IN THE BID DOCUMENT, INCLUDING SPECIFICATIONS, PRIOR TO ANY FABRICATION OR CONSTRUCTION. THIS COORDINATION INCLUDES THE REQUIREMENTS AND EFFECTS OF ALL TRADES. CONTRACTOR MUST NOTIFY THE ARCHITECT AND/OR STRUCTURAL ENGINEER OF ANY DISCREPANCIES, NEED FOR COORDINATION AND/OR CLARIFICATION IMMEDIATELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, THROUGH THE APPROPRIATE DESIGN PROFESSIONAL AND THEIR DRAWINGS, ALL OF THE TRUE FACTS PRIOR TO BIDDING, FABRICATION AND/OR CONSTRUCTION.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- FRAMING CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE FRAMED SIMILAR TO THE DETAILS SHOWN FOR THE RESPECTIVE MATERIALS.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUE, SEQUENCE AND PROCEDURE.
- FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES. THE SERVICES PERFORMED BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, AND WHETHER PERFORMED PRIOR TO, DURING OR AFTER COMPLETION OF CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN THE QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS, BUT THEY DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
- PROVIDE OPENINGS AND SUPPORTS FOR MECHANICAL EQUIPMENT, DUCTS, PIPING, VENTS, ETC. AS REQUIRED. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL OPENINGS AND EQUIPMENT NOT SHOWN ON STRUCTURAL. ALL SUSPENDED EQUIPMENT TO BE PROVIDED WITH APPROVED LATERAL BRACING.
- DESIGN MATERIALS, EQUIPMENT, AND PRODUCTS OTHER THAN THOSE DESCRIBED BELOW OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE, PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE OWNER, ARCHITECT/ENGINEER, AND THE APPLICABLE GOVERNING CODE AUTHORITY.

INSPECTIONS:

- INSPECTION BY THE DIVISION OF THE STATE ARCHITECT APPROVED BUILDING INSPECTORS, SPECIALIZED AND CERTIFIED IN EACH SPECIFIC TRADE INVOLVED, SHALL BE PROVIDED FOR ALL WORK PER CALIFORNIA BUILDING CODE SECTION 4-342, PART 1, TITLE 24.
- SPECIAL INSPECTION SHALL BE PROVIDED FOR:
 - MASONRY.
 - WELDING.
 - EXPANSION AND ADHESIVE ANCHORS.
 - EXCAVATION & BACKFILLING BY GEOTECHNICAL ENGINEER.
- SEE SPECIFICATIONS AND THESE DRAWINGS FOR ANY ADDITIONAL INSPECTION AND/OR TEST REQUIREMENTS.
- INSPECTION OF MASONRY WORK SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 2105A.7
- INSPECTION OF STRUCTURAL STEEL WELDING SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 1704A.3.1. PROVIDE INSPECTION OF WELDED REINFORCING STEEL PER CBC SECTION 1704A.4.2
- ALL WELDING SHALL BE INSPECTED BY AND AWS CERTIFIED INSPECTOR APPROVED BY DSA.

TESTS:

- MILL TEST REPORTS OF CEMENT, REINFORCING STEEL AND STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ARCHITECT AND DIVISION OF THE STATE ARCHITECT PER CALIFORNIA BUILDING CODE SECTION 1903A, 1916A, AND 2212A.
- THREE CONCRETE TEST CYLINDERS SHALL BE MADE FOR EACH DAY'S PLACING, AND EACH 50 CUBIC YARDS OR FRACTION THEREOF. ONE CYLINDER TO BE TESTED 7 DAYS, TWO AT 28 DAYS. REFER TO TITLE 24, SECTION 1905A.6.
- TEST SPECIMENS SHALL BE MADE AND TESTED FOR BOTH MORTAR AND GROUT, AND TESTED PER SECTION 2105A.5
- CONCRETE MASONRY UNITS SHALL BE TESTED TO VERIFY CONFORMANCE TO REQUIREMENT IN THE SPECIFICATIONS.
- END WELDED STUDS SHALL BE TESTED ACCORDING TO SECTION 2212A.3
- PROVIDE IN-PLACE TESTING OF DRILLED WEDGE ANCHORS PER "PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS" DESCRIBED IN THIS SHEET.

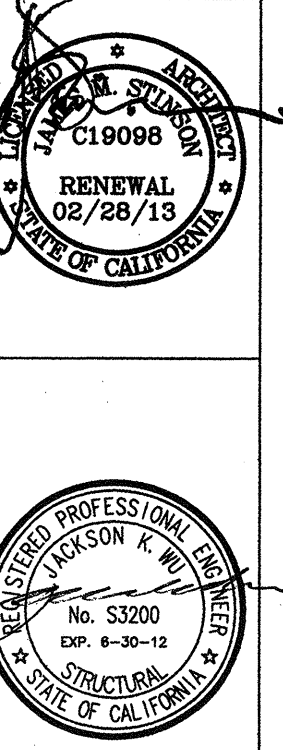
STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 EXCEPT FOR WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A-992.
- ALL PIPE SHALL BE ASTM A-53, GRADE "B".
- ALL TUBULAR STEEL SECTIONS SHALL CONFORM TO ASTM A-500 GRADE "B" (F_y = 46 KSI).
- ALL FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST EDITION OF AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- NO STRUCTURAL STEEL SHALL BE FABRICATED OR ERECTED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED BY THE STRUCTURAL ENGINEER.
- ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS USING THE ELECTRIC ARC PROCESS AND APPROVED COATED RODS, OR USING THE SUBMERGED ARC PROCESS WITH AUTOMATIC WELDING (SAW-1). LOW HYDROGEN ELECTRODES SHALL BE USED IN WELDING OF REINFORCING BARS. USE E70 SERIES ELECTRODE OR BETTER.
- NO FIELD CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- BOLT HOLES IN STEEL SHALL BE 1/16 INCH LARGER THAN NOMINAL BOLT SIZE.
- BASE PLATES SHALL BE LEVELED WITH DOUBLE NUTS. NO LEVING PLATE ALLOWED.
- BOLTS NOTED AS MACHINE BOLTS(MB) SHALL CONFORM TO ASTM A-307.
- THE GENERAL CONTRACTOR AND THE STEEL FABRICATOR SHALL COORDINATE WITH THE ARCHITECT AND THE SUB CONTRACTORS OF MECHANICAL, ELECTRICAL AND PLUMBING FOR THE FINAL SIZE AND LOCATION OF ALL EQUIPMENTS AND OPENINGS FOR DETERMINING THE SUPPORT FRAMING MEMBERS LOCATION. ALL STEEL AND STEEL CONNECTORS EXPOSED TO WEATHER SHALL BE GALVANIZED AND PAINTED.
- ALL STRUCTURAL STEEL WELDING SHALL BE INSPECTED BY AN AWS CERTIFIED INSPECTOR APPROVED BY DSA.
- ALL STEEL AND STEEL CONNECTORS EXPOSED TO WEATHER SHALL BE GALVANIZED. TOUCH UP W/ GALVANIZED PAINT @ ALL SCRATCHED AND WELDED AREAS.

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- S-1.2 TYPICAL DETAILS
- S-2.1 PARTIAL SITE FOUNDATION PLANS
- S-2.2 PARTIAL SITE FOUNDATION PLANS
- S-3.1 DETAILS
- S-3.2 DETAILS

REGISTRATION STAMP
DIV. OF THE STATE ARCHITECT
APR 01 11 3 28
AC, PLS, SS, SS
DATE: 11/11/11



JOHNSON & NELSON ASSOCIATES
10000 N. CENTRAL EXPRESSWAY, SUITE 100
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TEL: 972.343.7000 FAX: 972.343.7001

REVISION	1	2	3	4	5	6	7	8	9	10

PSWC Group
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TEL: 951.979.3123 FAX: 951.979.3144

KEPPEL ELEMENTARY SCHOOL
2 STORY CLASSROOM ADDITION
GLENDALE UNITED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

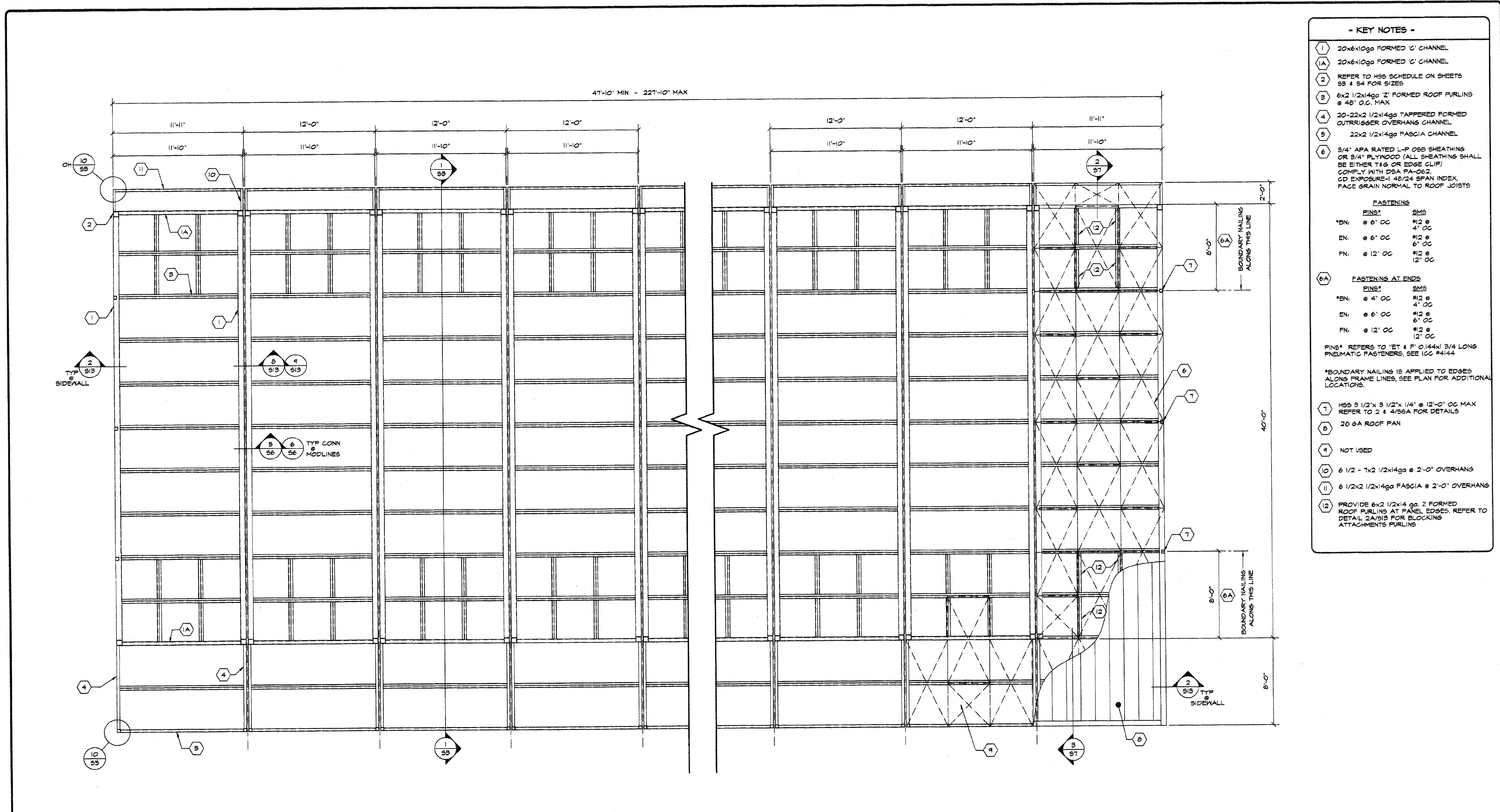
GENERAL NOTES,
ABBREVIATION AND DRAWING
INDEX

JOB NO. P074
DRAWN BY J.Y.
DATE 08-19-11

S-1.1

ABBREVIATION

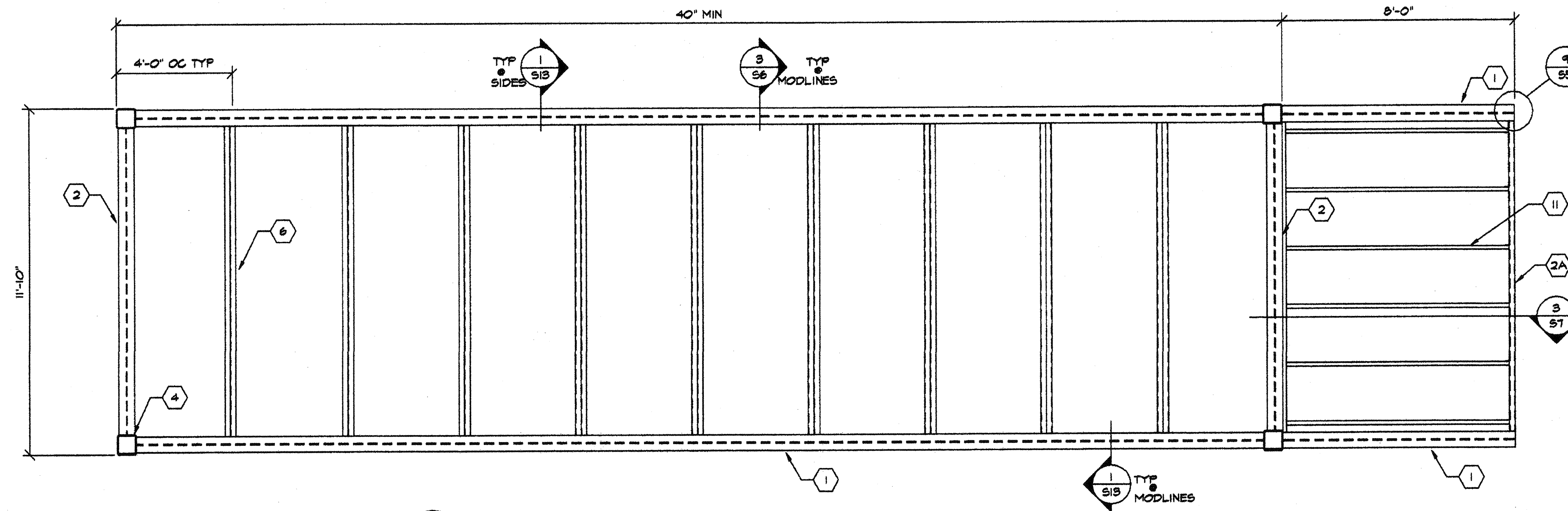
#	PLATE AND ANGLE	INSUL.	INSULATION
∠	ANGLE	INT.	INTERIOR
AT	AT	INVERT	INVERTED
CL	CENTER LINE	IST.	JOIST
CR	ROUND OR ROUND FOUND OR NUMBER	JT.	JOINT
EX	EXISTING	LAB.	LABORATORY
(N)	NEW	LAM.	LAMINATE
A.B.	ANCHOR BOLT	L.L.H.	LONG LEG HORIZONTAL
ABV.	ABOVE	L.L.V.	LONG LEG VERTICAL
ADJ.	ADJACENT	LO.	LOW
AGGR.	AGGREGATE	LOC.	LOCATION
APPROX.	APPROXIMATE	LT.	LIGHT
ARCH.	ARCHITECT	LT.WT.	LIGHT WEIGHT
ARCH'L	ARCHITECTURAL	MANUF.	MANUFACTURER
B	BOLT	MAX.	MAXIMUM
BLDG.	BUILDING	M.B.S.	MACHINE BOLTS
BLK.	BLOCK	MECH.	MECHANICAL
BLKG.	BLOCKING	MEMB.	MEMBRANE
BLM.	BLOW	MTL.	METAL
BM	BEAM	MFG.	MANUFACTURING
B.N.	BOUNDARY NAILING	MIN.	MINIMUM
BRC.	BOTTOM	MISC.	MISCELLANEOUS
BRG.	BEARING	M.O.	MASONRY OPENING
CEM.	CEMENT	N.	NORTH
CLC.	CEILING	N.I.C.	NOT IN CONTRACT
CLR.	CLEAR	NO. OR #	NUMBER
C.I.	CONSTRUCTION JOINT	NOM.	NOMINAL
C.J.P.	COMPLETE JOINT PENETRATION	N.S.	NEAR SIDE
COL.	COLUMN	NTS.	NOT TO SCALE
CONC.	CONCRETE	O.C.	ON CENTER
CONN.	CONNECTION	O.D.	OUTSIDE DIAMETER (DM)
CONSTR.	CONSTRUCTION	OPNG.	OPENING
CONT.	CONTINUOUS	OPSP.	OPPOSITE
CTR.	CENTER	O.P.	OUTSIDE FACE
CTR.	CENTER	P.C.	PIECE
DBL.	DOUBLE	PRCST.	PRECAST
DEPT.	DEPARTMENT	P.L.	PROPERTY LINE
DET.	DETAIL	PLAS.	PLASTER
DM.	DIAMETER	PLYWD.	PLYWOOD
DM.	DIAMETER	PROJ.	PROJECT
DN.	DOWN	PT.	POINT
DWG.	DRAWING	PTN.	PARTITION
E	EAST	RENF.	REINFORCING
E.A.	EACH FACE	RM.	ROOM
E.L.	EXPANSION JOINT	R.O.	ROUGH OPENING
ELEV.	ELEVATION OR ELEVATOR	S	SOUTH
E.N.	EDGE NAILING	SC.	SCALE
EQ.	EQUIPMENT	SCHED.	SCHEDULE
E.Q.P.T.	EQUIPMENT	SECT.	SECTION
E.W.	EACH WAY	SH.	SHEET
EXP.	EXPANSION	SHG.	SHEETING
EXT.	EXTERIOR	SIM.	SIMILAR
EXT.	EXTERIOR	SO.	SQUARE
FDN.	FOUNDATION	STD.	STANDARD
FIN.	FINISH	STIFF.	STIFFENER
F.F.	FINISH FLOOR	STL.	STEEL
FLR.	FLOOR	STR.	STRUCTURAL
F.O.C.	FACE OF CONCRETE	SUSP.	SUSPENDED
F.O.S.	FACE OF STUDS	SYM.	SYMMETRICAL
F.S.	FAR SIDE	TEMP.	TEMPORARY OR TEMPORARY
FT.	FOOT OR FEET	THK.	THICK
FTG.	FOOTING	T.O.F.	TOP OF FOOTING
GA.	GALVE	T.O.P.	TOP OF PARAPET
GALV.	GALVANIZED	T.O.S.	TOP OF STEEL
GLB.	GLUED-LAMINATED BEAM	TSC.	TWISTED STEEL GRID
GND.	GROUND	T.W.	TOP OF WALL
GR.	GRADE	T & B	TOP AND BOTTOM
GYP.	GYP-SUM	TYP.	TYPICAL
H.	HIGH	U.N.O.	UNLESS NOTED OTHERWISE
HORIZ.	HORIZONTAL	VERT.	VERTICAL
HT.	HEIGHT	W	WEST
I.D.	INSIDE DIAMETER (DM)	W/O	WITHOUT
LN.	INTERMEDIATE (FIELD) NAILING	WD.	WOOD
		W.P.	WEAKENED PLANE
		W.F.	WELDED WIRE FABRIC



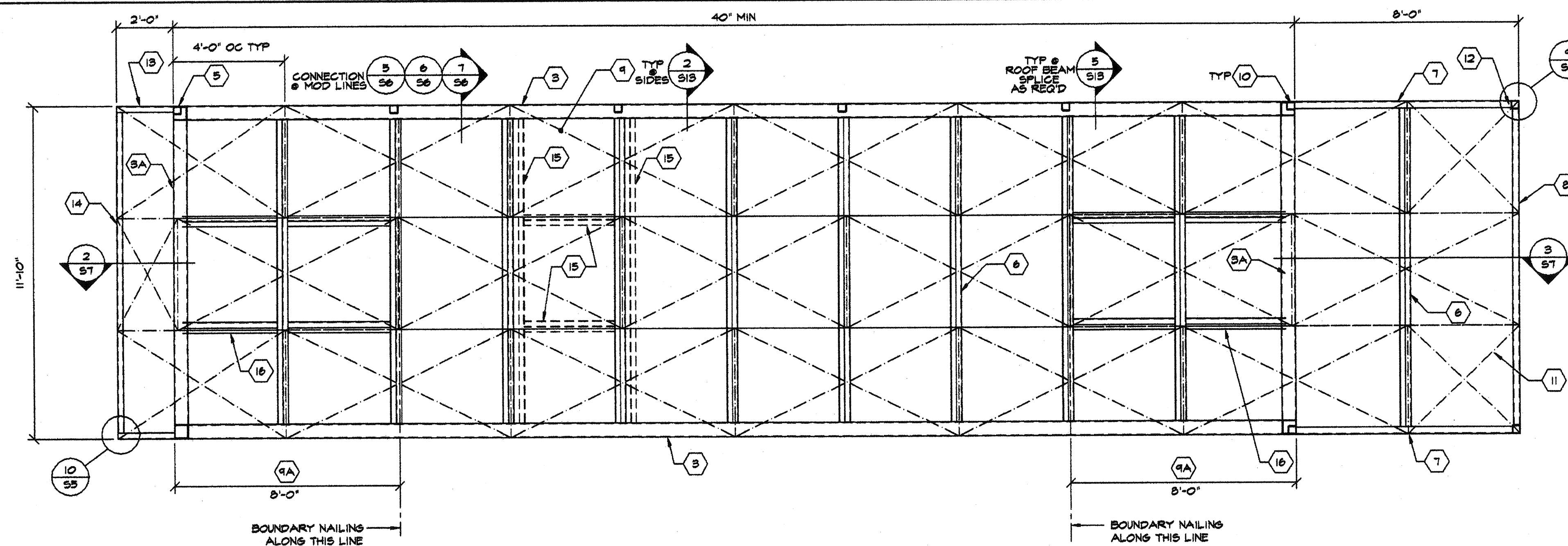
- KEY NOTES -**
- 1 20x6x10ga FORMED 'C' CHANNEL
 - A 20x6x10ga FORMED 'C' CHANNEL
 - 2 REFER TO HSS SCHEDULE ON SHEETS SB # 84 FOR SIZES
 - 3 6x2 1/2x14ga Z FORMED ROOF PURLINS @ 48" O.C. MAX
 - 4 20-22x2 1/2x14ga TAPERED FORMED OUTRIGGER OVERHANG CHANNEL
 - 5 22x2 1/2x14ga FASCIA CHANNEL
 - 6 3/4" APA RATED L-P OSB SHEATHING OR 5/4" PLYWOOD (ALL SHEATHING SHALL BE EITHER T&G OR EDGE GLUE) COMPLY WITH DSA PA-02, CD EXPOSURE= 48/24 SPAN INDEX, FACE GRAIN NORMAL TO ROOF JOISTS
- FASTENING**
- | PINS* | SMS |
|--------------|--------------|
| *EN: @ 6" OC | #12 @ 4" OC |
| EN: @ 6" OC | #12 @ 6" OC |
| FN: @ 12" OC | #12 @ 12" OC |
- FASTENING AT ENDS**
- | PINS* | SMS |
|--------------|--------------|
| *EN: @ 4" OC | #12 @ 4" OC |
| EN: @ 6" OC | #12 @ 6" OC |
| FN: @ 12" OC | #12 @ 12" OC |
- PINS* REFERS TO 'ET & F' O.144x1 3/4 LONG PNEUMATIC FASTENERS, SEE ICG #4144
- *BOUNDARY NAILING IS APPLIED TO EDGES ALONG FRAME LINES, SEE PLAN FOR ADDITIONAL LOCATIONS.
- 7 HSS 3 1/2"x 3 1/2"x 1/4" @ 12'-0" OC MAX REFER TO 2 & 4/56A FOR DETAILS
 - 8 20 GA ROOF PAN
 - 9 NOT USED
 - 10 6 1/2 - 1x2 1/2x14ga @ 2'-0" OVERHANG
 - 11 6 1/2x2 1/2x14ga FASCIA @ 2'-0" OVERHANG
 - 12 PROVIDE 6x2 1/2x14 ga. Z FORMED ROOF PURLIN AT PANEL EDGES. REFER TO DETAIL 2A/S1B FOR BLOCKING ATTACHMENTS PURLIN

1 TYPICAL SECOND FLOOR - ROOF FRAMING LAYOUT
S11 1/4"=1'-0"

<p align="center">REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO	DATE	DESCRIPTION										<p>DATE: 10-29-09</p> <p>SCALE: NOTED</p> <p>DRAWN BY: RL</p> <p>SERIAL NO.:</p>	<p>CUSTOMER:</p> <p align="center">48' - 228' x 40' 2 STORY BUILDING</p> <p align="center">TYPICAL SECOND FLOOR - ROOF FRAMING LAYOUT</p>	<p>American Modular Systems Inc. 787 Spruceville Ave. Marietta, GA 30066 (770) 576-1921 Fax (770) 576-7018 americanmodular.com</p>	<p>APPROVALS:</p> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> <p align="center">REGISTERED PROFESSIONAL ENGINEER KENNETH A. LUTHE No. 1418 Exp. 3/31/11 Structural Engineer STATE OF CALIFORNIA</p> </div> <p>THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.</p>	<p>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES</p> <p>APPROJ 1 1 3 8 2 8</p> <p>AC: FLS SS DATE: JUL 0 6 2011</p>	<p>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES</p> <p>PC 02-110618</p> <p>AC: FLS SS DATE: NOV 1 7 2009</p>	<p>PROJECT No. PC</p> <div style="border: 2px solid black; padding: 5px; font-size: 24px; font-weight: bold; text-align: center;">S11</div>
NO	DATE	DESCRIPTION																	



1 TYPICAL GROUND FLOOR - ROOF FRAMING PLAN
S12 3/8"=1'-0"



2 TYPICAL UPPER FLOOR - ROOF FRAMING PLAN
S12 3/8"=1'-0"

- KEY NOTES -
- 1 W2x44 LONGITUDINAL BEAM
 - 2 W2x44 TRANSVERSE BEAM
 - 2A 2x2 1/2x14ga FASCIA CHANNEL
 - 3 20x6x10ga FORMED 'C' CHANNEL LONGITUDINAL BEAM
 - 3A 20x6x10ga FORMED 'C' CHANNEL TRANSVERSE BEAM
 - 4 REFER TO HSS SCHEDULE ON SHEETS S3 & S4 FOR SIZES
 - 5 REFER TO HSS SCHEDULE ON SHEETS S3 & S4 FOR SIZES
 - 6 6x2 1/2x14ga 2' FORMED ROOF PURLINS @ 48" O.C. MAX U.O.N.
 - 7 22-20x2 1/2x14ga TAPERED FORMED OVERHANG CHANNEL
 - 8 20-22x2 1/2x14ga FASCIA CHANNEL
 - 9 3/4" APA RATED L-P OSB SHEATHING OR 3/4" PLYWOOD (ALL SHEATHING SHALL BE EITHER T & G OR EDGE CLIP) COMPLY WITH DSA PA-062, CD EXPOSURE-1 48" O.C. SPAN INDEX, FACE GRAIN NORMAL TO ROOF JOISTS
- FASTENING
- | PINS* | SMs |
|--------------|--------------|
| *BN: @ 6" OC | #12 @ 4" OC |
| EN: @ 6" OC | #12 @ 6" OC |
| FN: @ 12" OC | #12 @ 12" OC |
- 10A FASTENING AT ENDS
- | PINS* | SMs |
|--------------|--------------|
| *BN: @ 4" OC | #12 @ 4" OC |
| EN: @ 6" OC | #12 @ 6" OC |
| FN: @ 12" OC | #12 @ 12" OC |
- PINS* REFERS TO 1/4" x 1/4" x 3/4" LONG PNEUMATIC FASTENERS, SEE ICS2 44144
- *BOUNDARY NAILING IS APPLIED TO EDGES ALONG FRAME LINES, SEE PLAN FOR ADDITIONAL LOCATIONS.
- 10 3 1/2" x 3 1/2" x 1/4" TS @ 12" OC MAX REFER TO 2 & 4/36A FOR DETAILS AND SHEET S11 FOR LOCATIONS
 - 11 6009162-33 STEEL STUDS @ 24" O.C. PER DETAIL 5/51
 - 12 HSS PARAPET @ FRONT OVERHANGS ONLY REQUIRED WHEN OPTIONAL HIGHER PARAPET USED
 - 13 6 1/2 - 7x2 1/2x14ga @ 2'-0" OVERHANG
 - 14 6 1/2x2 1/2x14ga FASCIA @ 2'-0" OVERHANG
 - 15 PROVIDE DOUBLE 6x2 1/2x14ga 2' FORMED ROOF PURLINS AT PANEL EDGES, REFER TO OPTIONAL ROOF MOUNT 5000 MAX HVAC REFER TO DETAIL 6/513
 - 16 PROVIDE 6x2 1/2x14ga 2' FORMED ROOF PURLINS AT PANEL EDGES, REFER TO DETAIL 2A/513 FOR BLOCKING ATTACHMENTS PURLINS

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 03-08-10
SCALE: NOTED
DRAWN BY: PL
SERIAL NO.:

CUSTOMER:
**48' - 228' x 40' 2 STORY BUILDING
ROOF FRAMING PLANS**

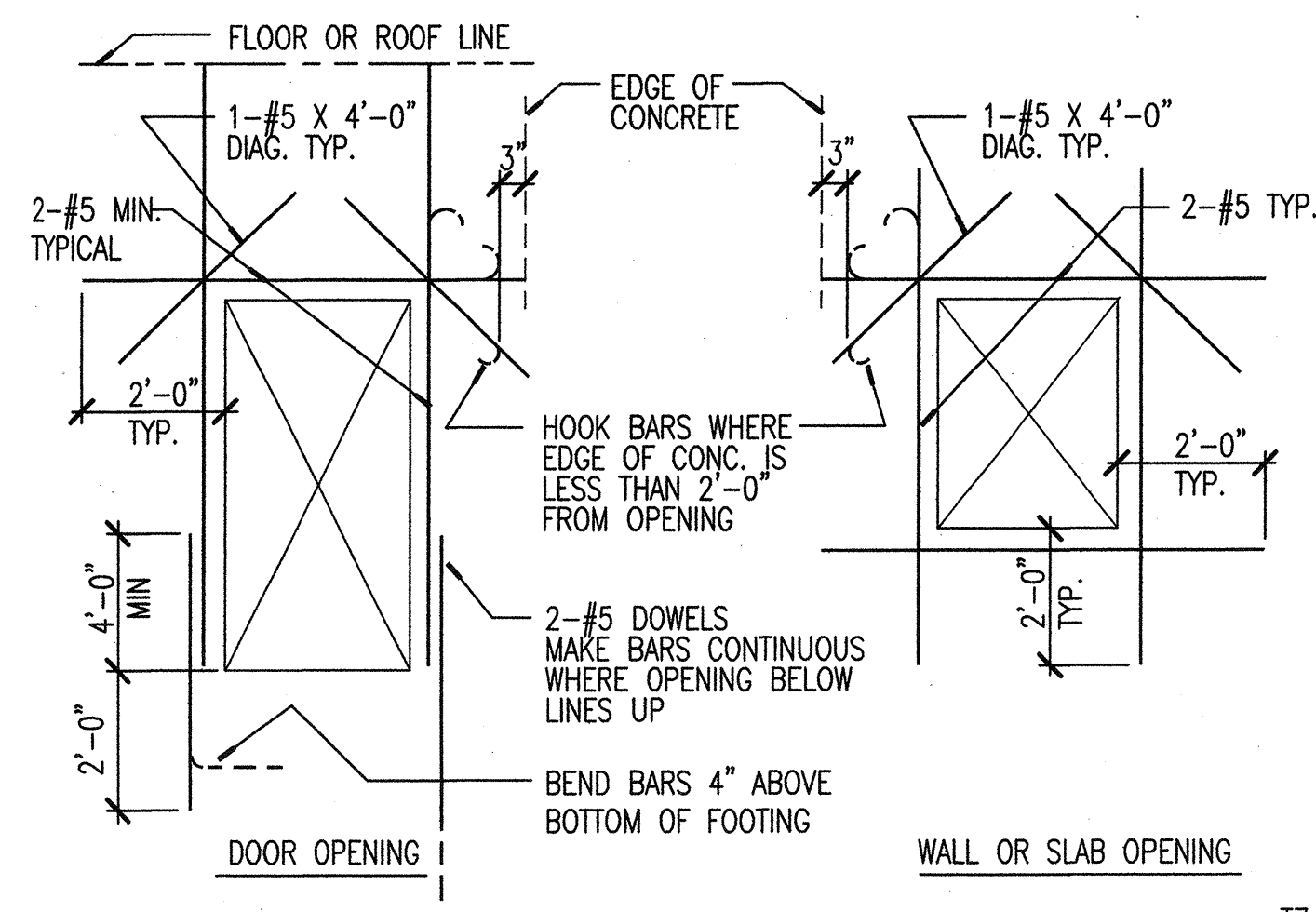


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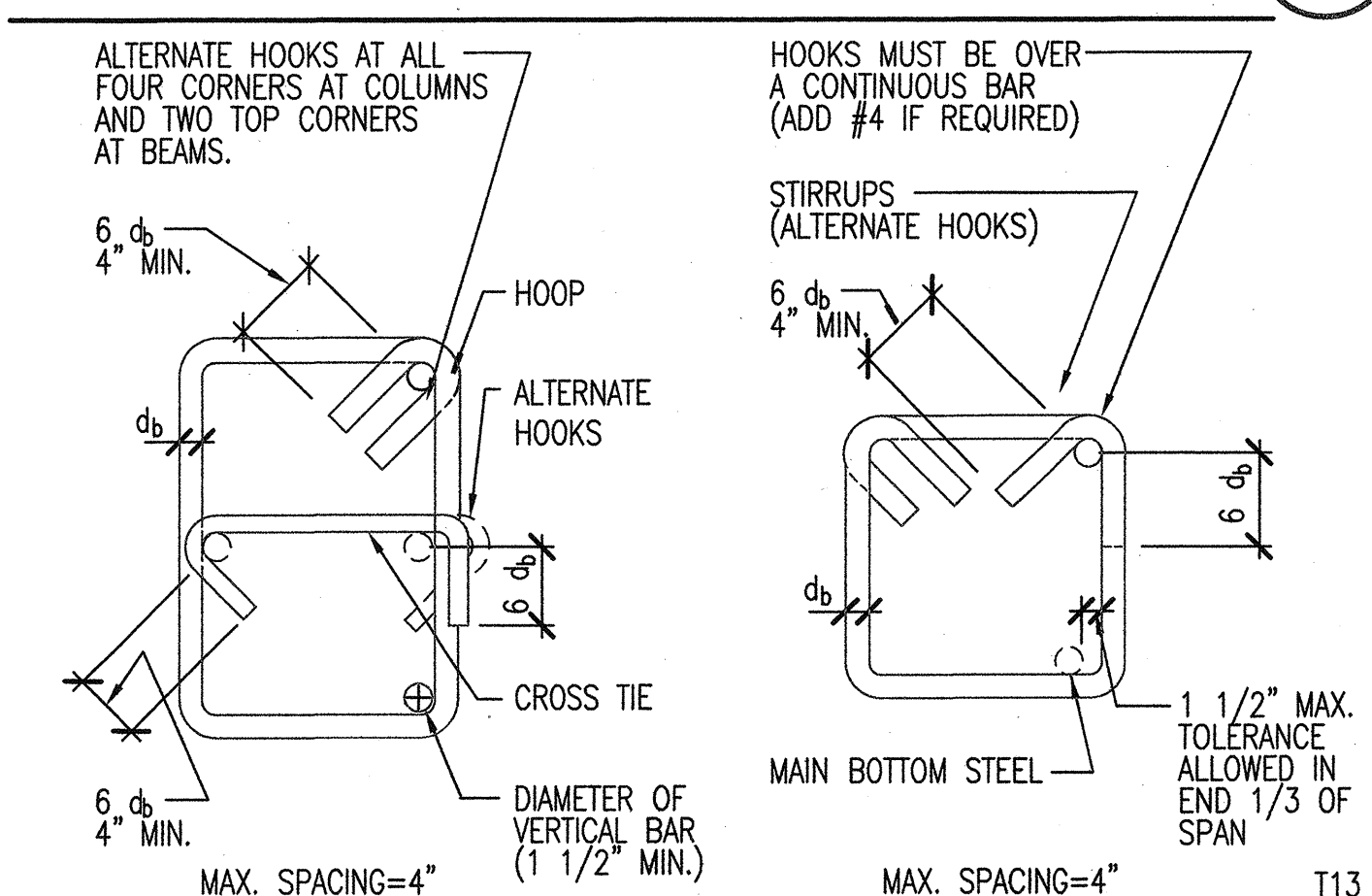
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APR03 1 1 3 8 2 8
AC FLS SS
DATE JUL 0 8 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-110618
DATE 7/8/11

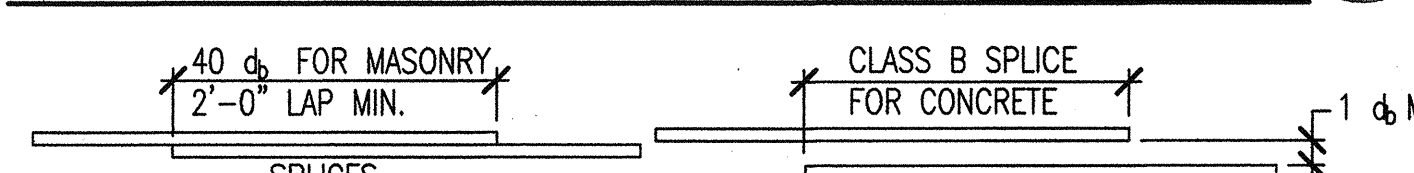
PROJECT No.
PC
S12



13
TYPICAL CONCRETE AND MASONRY OPENING REINFORCEMENT DETAIL



14
TYP. BEAM/COLUMN TIES AND STIRRUPS DET.



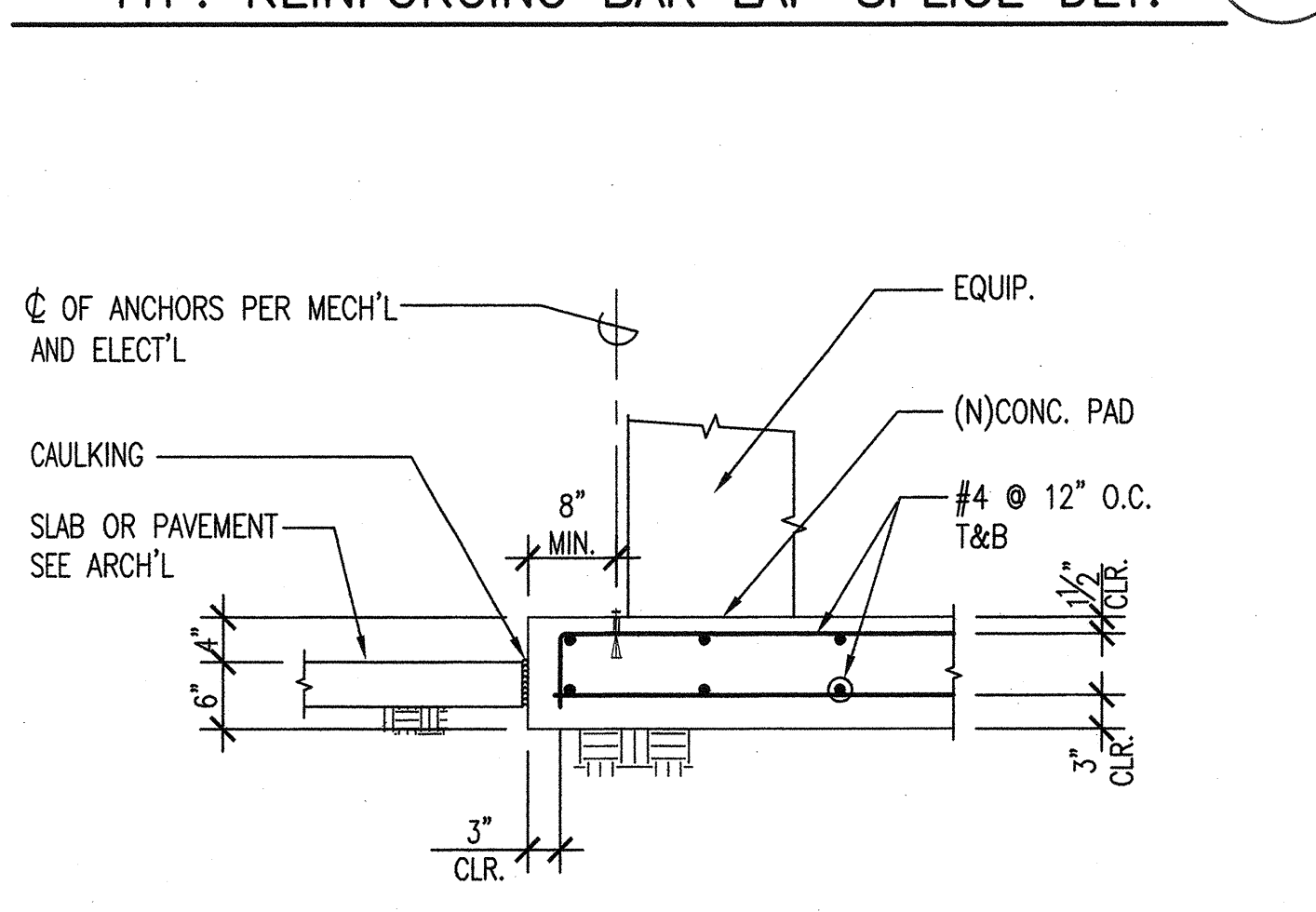
15
TYP. REINFORCING BAR LAP SPLICE DET.

REINFORCEMENT LAP SPLICES IN INCHES

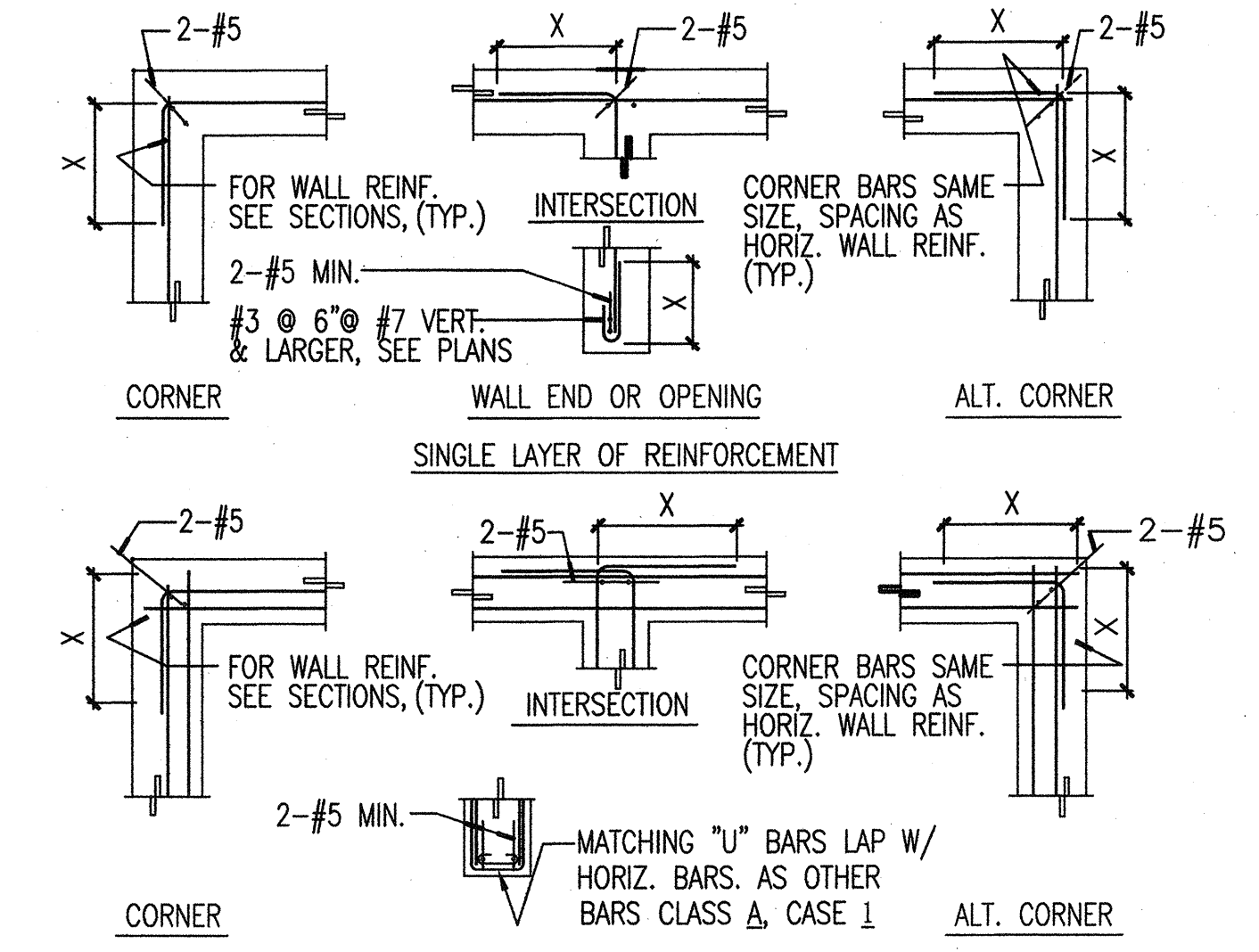
BAR SIZE	LAP CLASS	f _c =3,000 psi		f _c =4,000 psi	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	28	32	17	19
	B	28	32	24	28
#4	A	29	43	22	33
	B	37	56	29	43
#5	A	36	54	28	41
	B	47	70	36	54
#6	A	43	64	33	50
	B	56	84	43	64
#7	A	63	94	48	72
	B	81	122	63	94
#8	A	72	107	55	82
	B	93	139	72	107
#9	A	81	121	62	93
	B	105	157	81	121
#10	A	91	136	70	108
	B	118	177	91	136
#11	A	101	151	78	116
	B	131	196	101	151

NOTES:
 1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL-WEIGHT CONCRETE
 2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE BASED ON ACI 318-02, SECTIONS 12.2.2 & 12.15, RESPECTIVELY. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS. LENGTHS ARE IN INCHES.
 3. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL MEMBER, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE REINFORCING BARS, ARE DEFINED AS:
 BEAMS OR COLUMNS CASE 1 COVER AT LEAST 1d_b AND C-C SPACING AT LEAST 2d_b
 CASE 2 COVER LESS THAN 1d_b OR C-C SPACING LESS THAN 2d_b
 ALL OTHERS CASE 1 COVER AT LEAST 1d_b AND C-C SPACING AT LEAST 3d_b
 CASE 2 COVER LESS THAN 1d_b OR C-C SPACING LESS THAN 3d_b
 4. LAP CLASS VALUE ARE REQUIRED TENSION DEVELOPMENT LENGTHS. LAP SPLICE LENGTHS ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS. CLASS A=1.0d_b AND CLASS B=1.3d_b. (ACI 318-02, SECTION 12.5.1)
 5. LAP SPLICES OF #14 OR #18 BARS ARE NOT PERMITTED. THE TABULATED VALUES FOR THOSE BAR SIZES ARE THE TENSION DEVELOPMENT LENGTHS.
 6. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE BELOW THE BARS.
 7. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3; OR WHEN f_c IS SPECIFIED THE FACTOR IS 0.75f_c/f_c (ACI 318-02, SECTION 12.5.1).
 8. FOR EPOXY-COATED REINFORCING BARS, MULTIPLY THE TABULATED VALUES BY ONE OF THE FOLLOWING FACTORS:
 CONCRETE COVER SPACING TOP BARS OTHER BARS
 COVER < 3d_b OR C-C SPACING < 7d_b 1.7/1.3=1.31 1.50
 COVER ≥ 3d_b AND C-C SPACING ≥ 7d_b 1.20 1.20

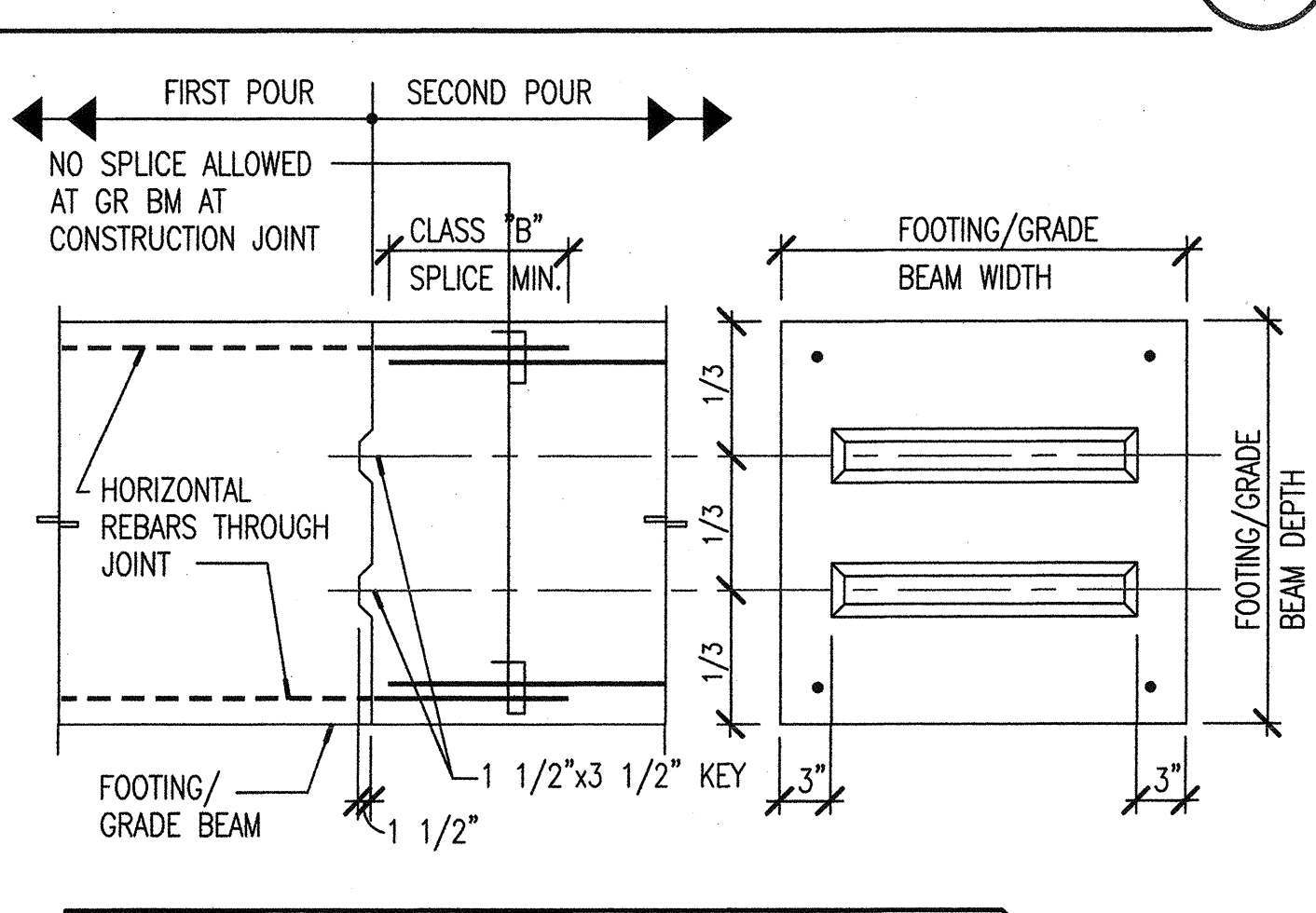
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TYP. EQUIPMENT PAD DETAIL



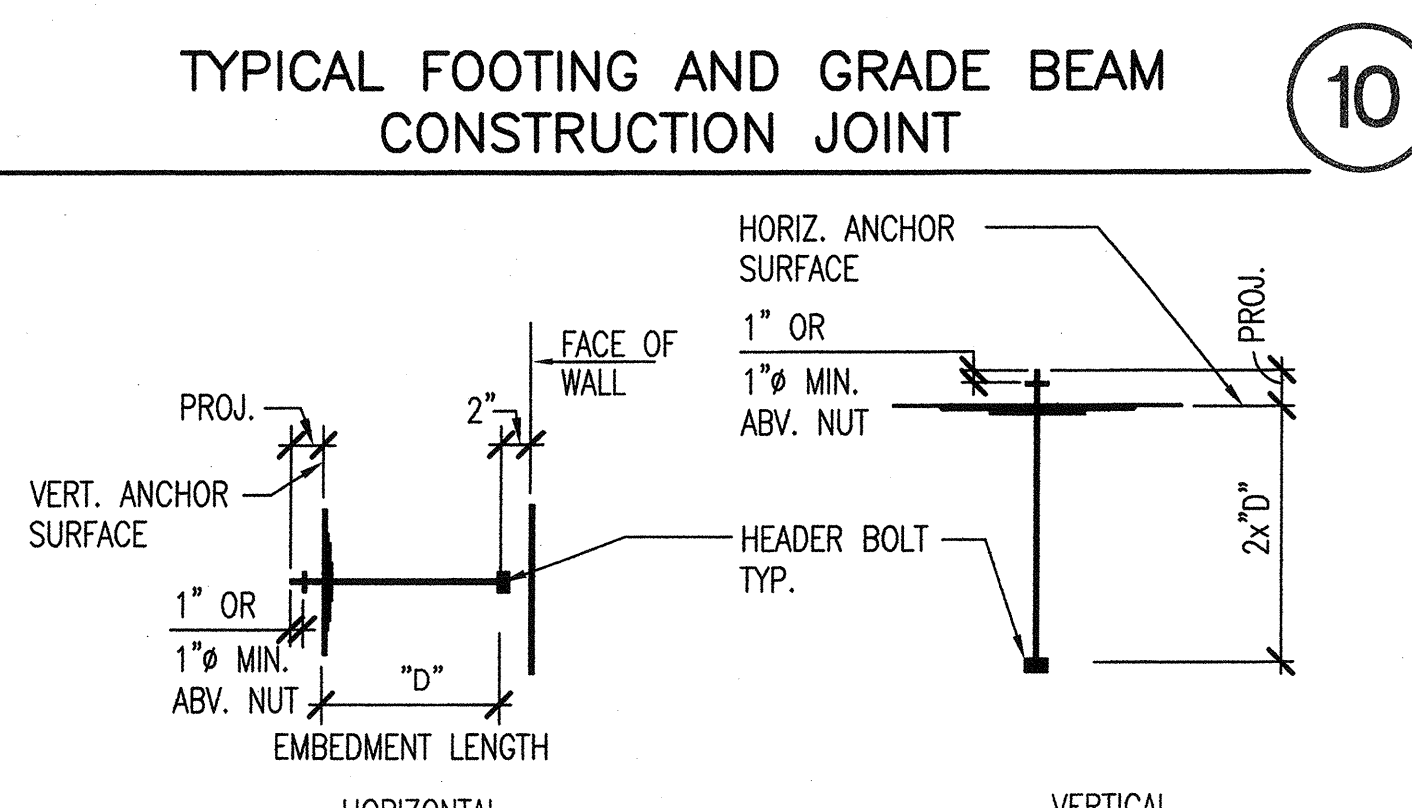
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TYPICAL CONCRETE STAIR ON GRADE DETAIL



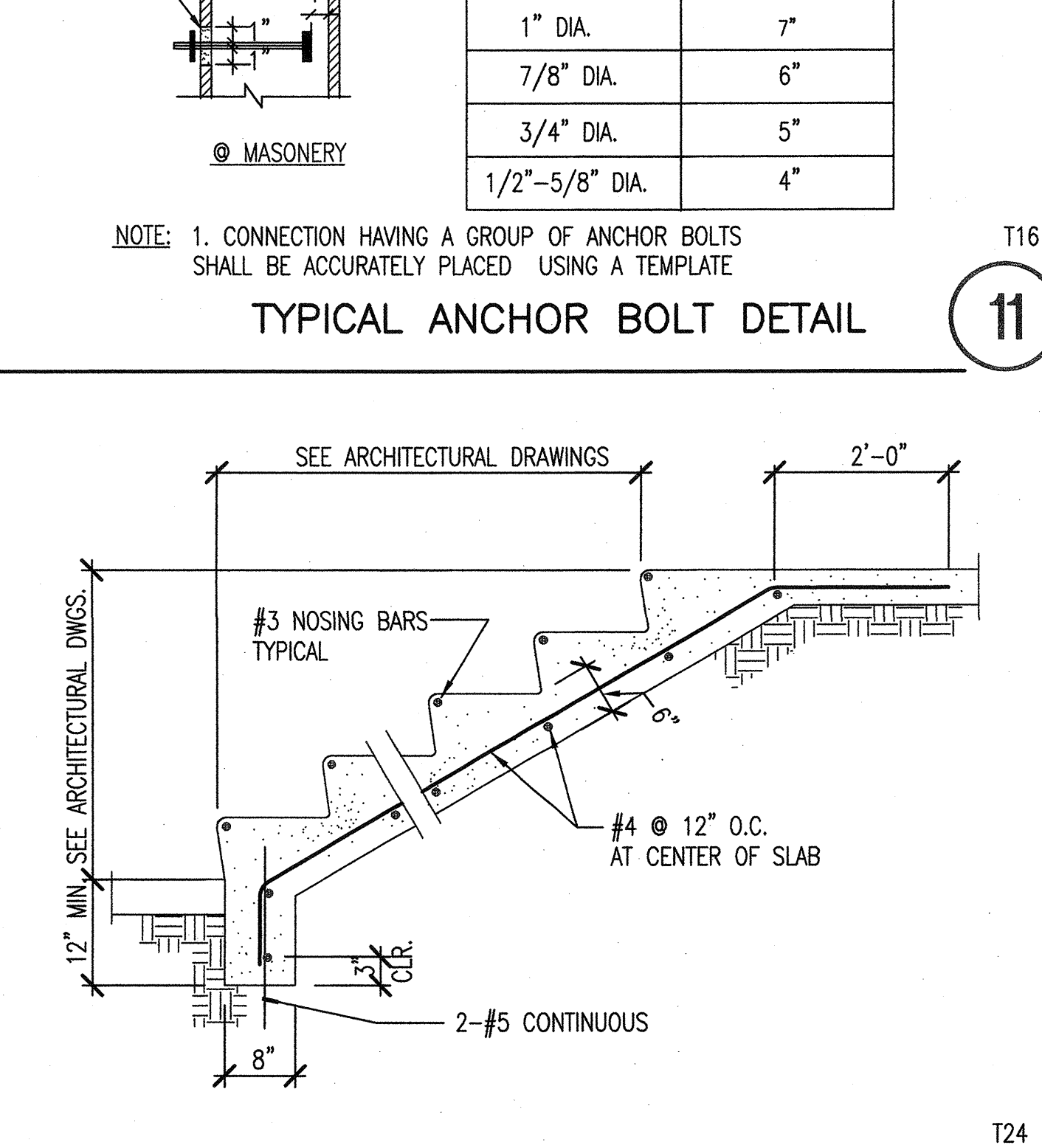
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TYPICAL WALL REINFORCING DETAIL



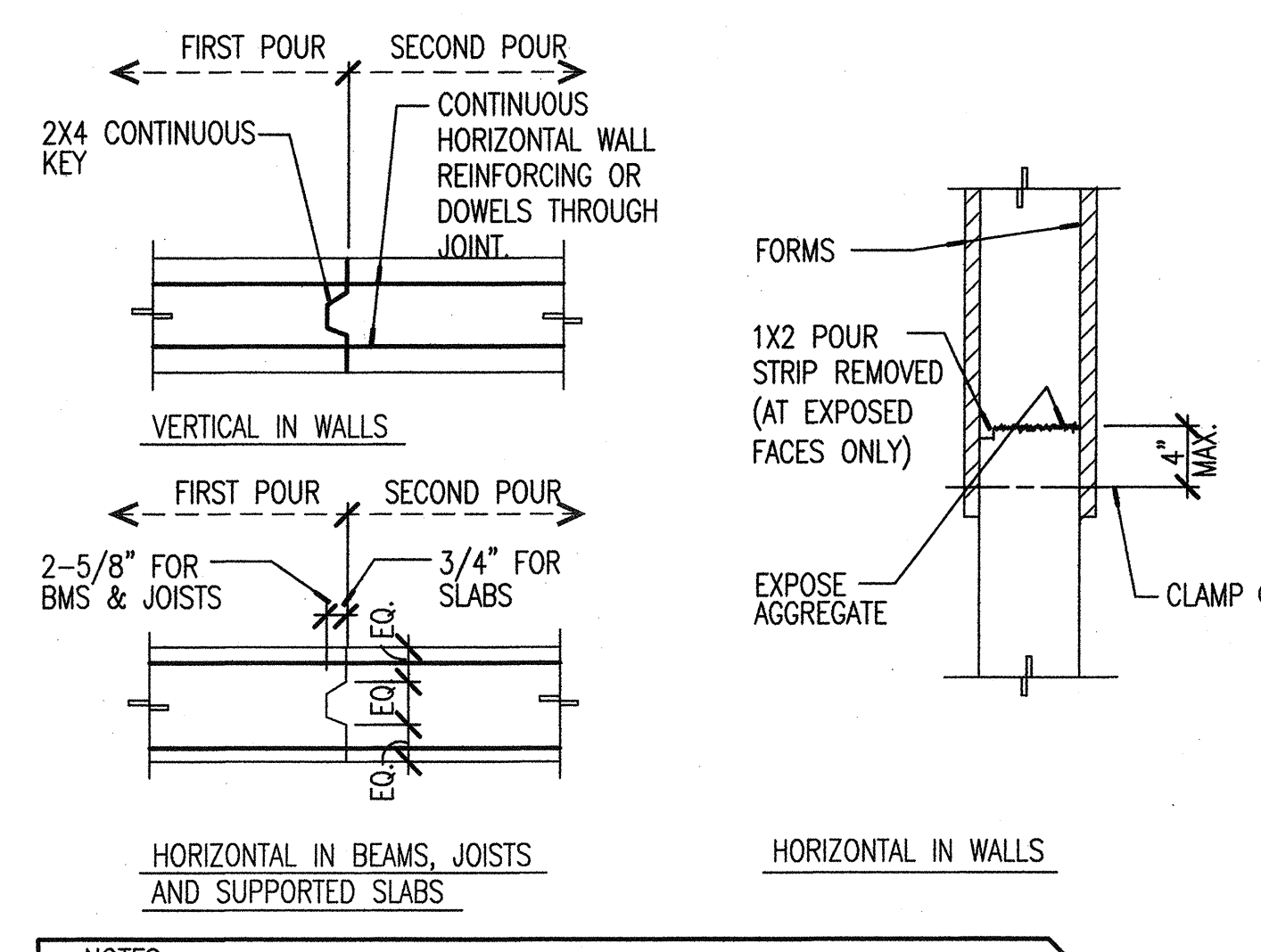
10
TYPICAL FOOTING AND GRADE BEAM CONSTRUCTION JOINT



11
TYPICAL ANCHOR BOLT DETAIL



8
TYP. SLAB-ON-GRADE DETAIL (REINFORCED)

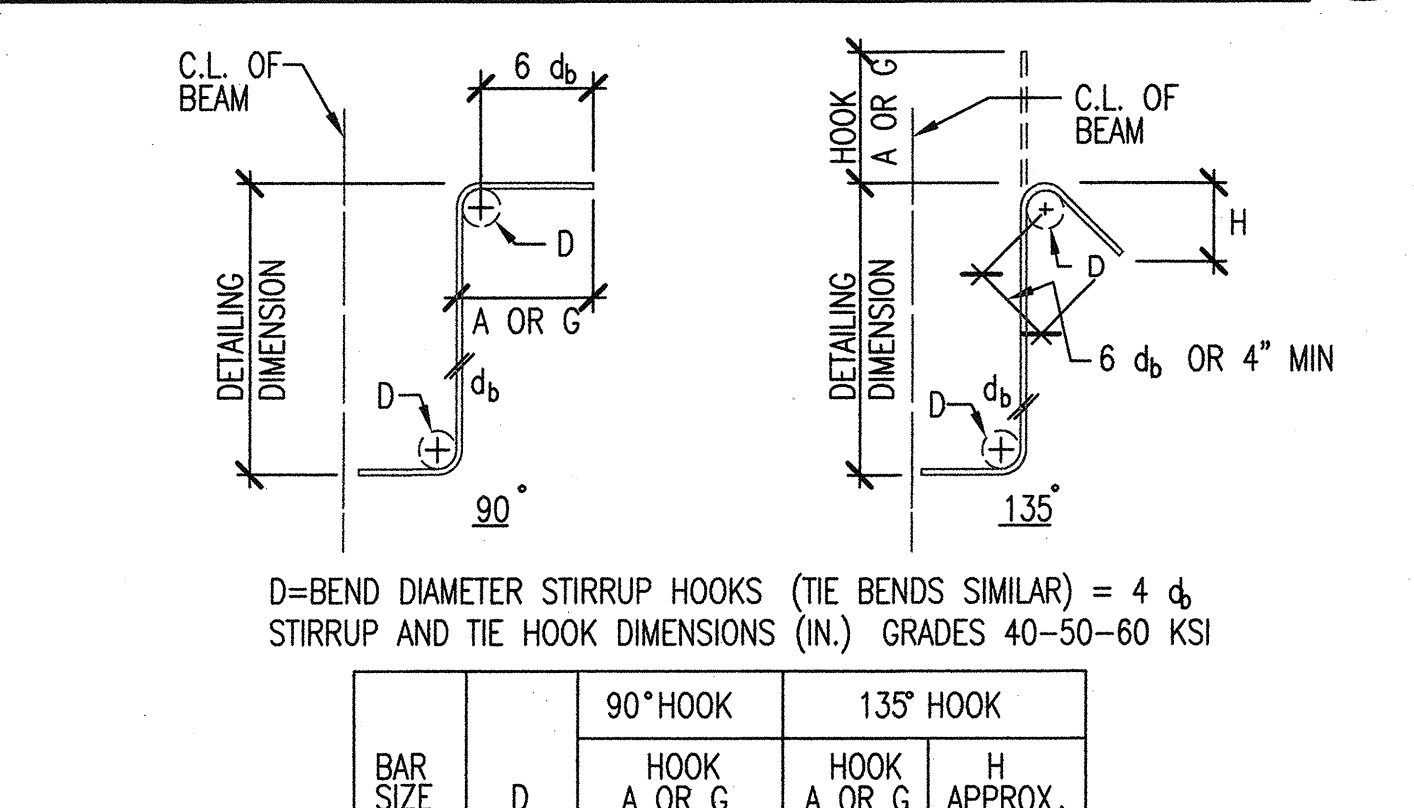


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TYPICAL CONSTRUCTION JOINT DETAIL

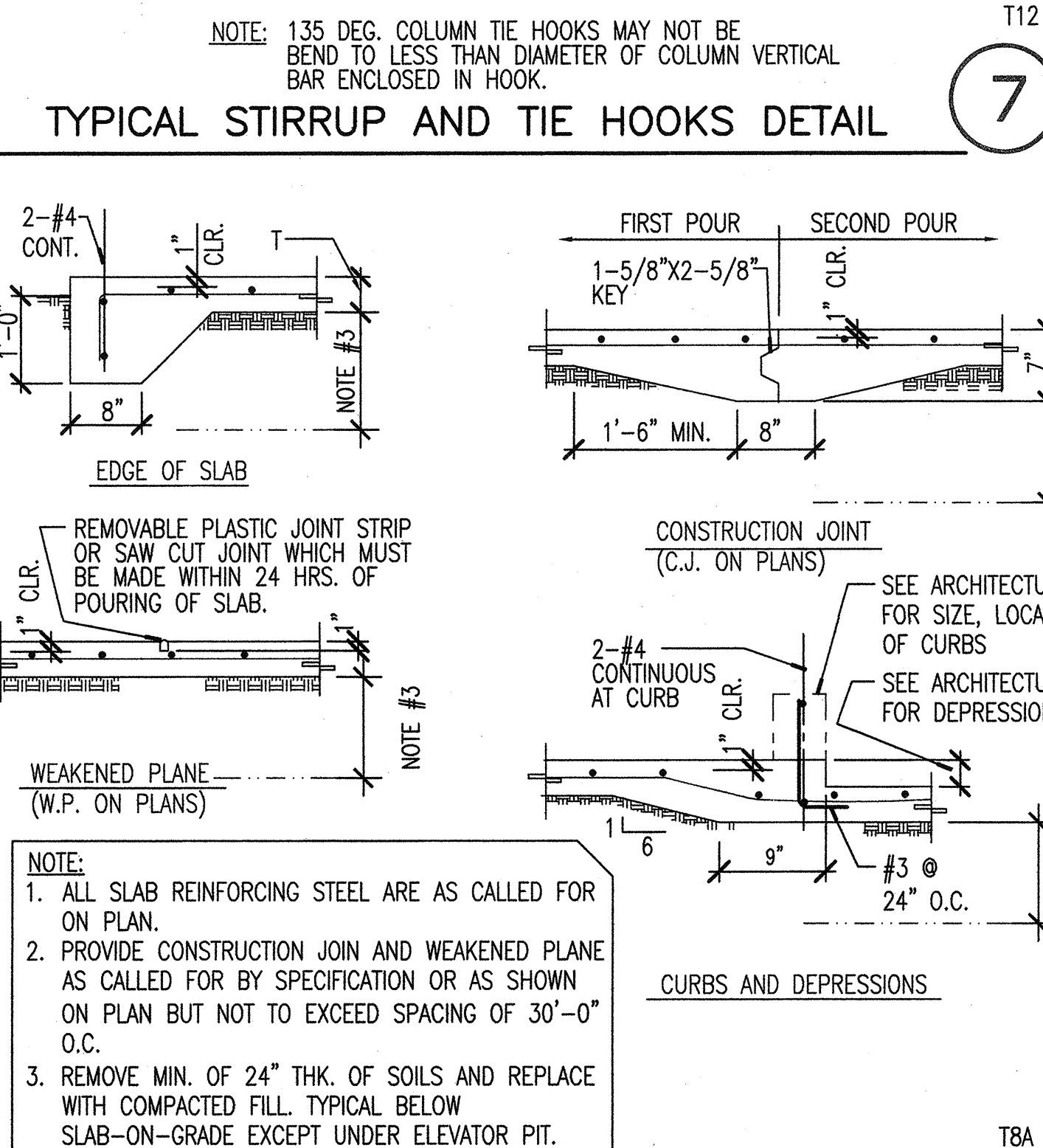
TYPICAL REBAR STANDARD HOOK DETAIL

BAR SIZE	DIMENSION OF STANDARD 180° HOOK, ALL GRADES		DIMENSION OF STANDARD 90° HOOK, ALL GRADES	
	A OR G	J	A OR G	D
#3	5"	3"	6"	2-1/4"
#4	6"	4"	8"	3"
#5	7"	5"	10"	3-3/4"
#6	8"	6"	1'-0"	4-1/2"
#7	10"	7"	1'-2"	5-1/4"
#8	11"	8"	1'-4"	6"
#9	1'-3"	11-3/4"	1'-7"	9-1/2"
#10	1'-5"	1'-1-1/4"	1'-10"	10-3/4"
#11	1'-7"	1'-2-3/4"	2'-0"	1'-0"

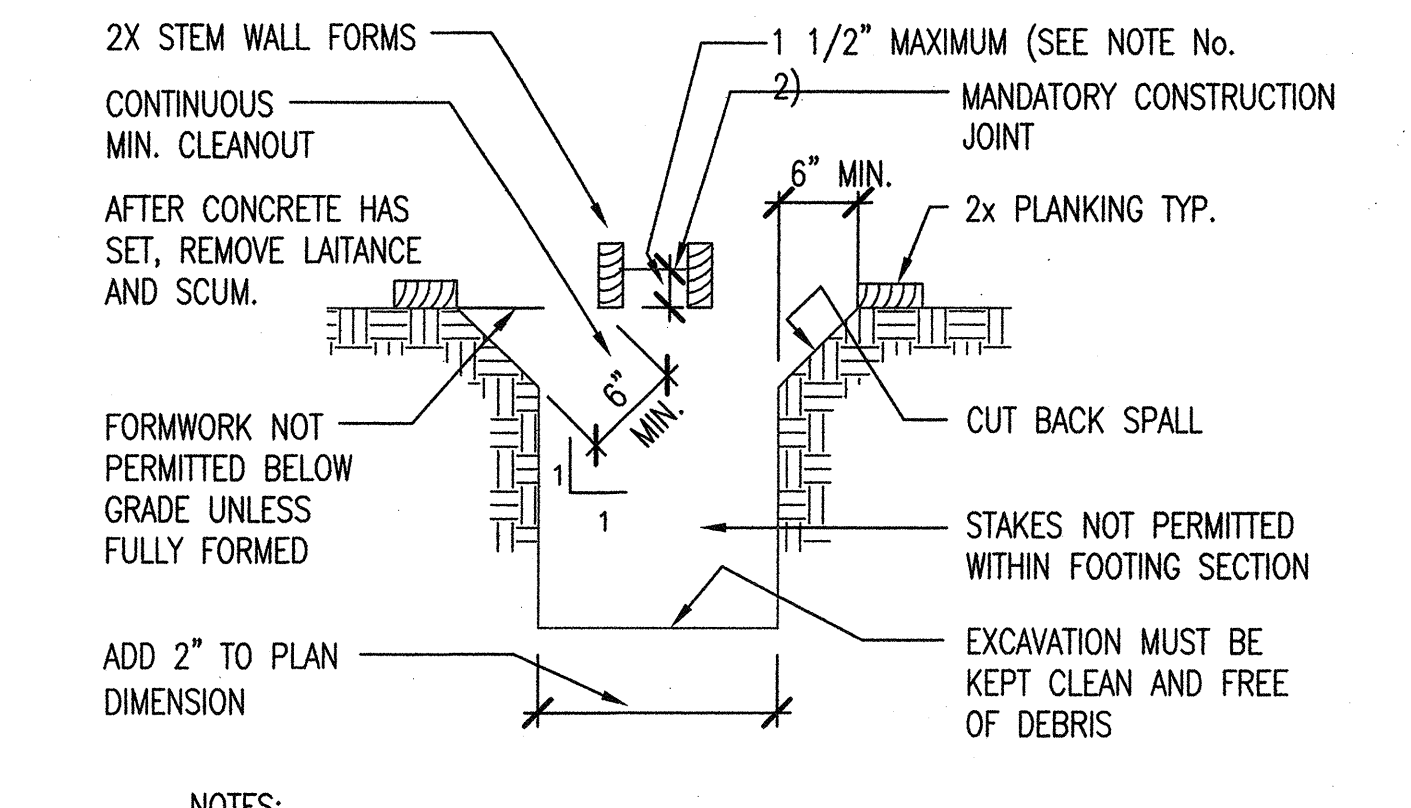
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TYPICAL REBAR STANDARD HOOK DETAIL



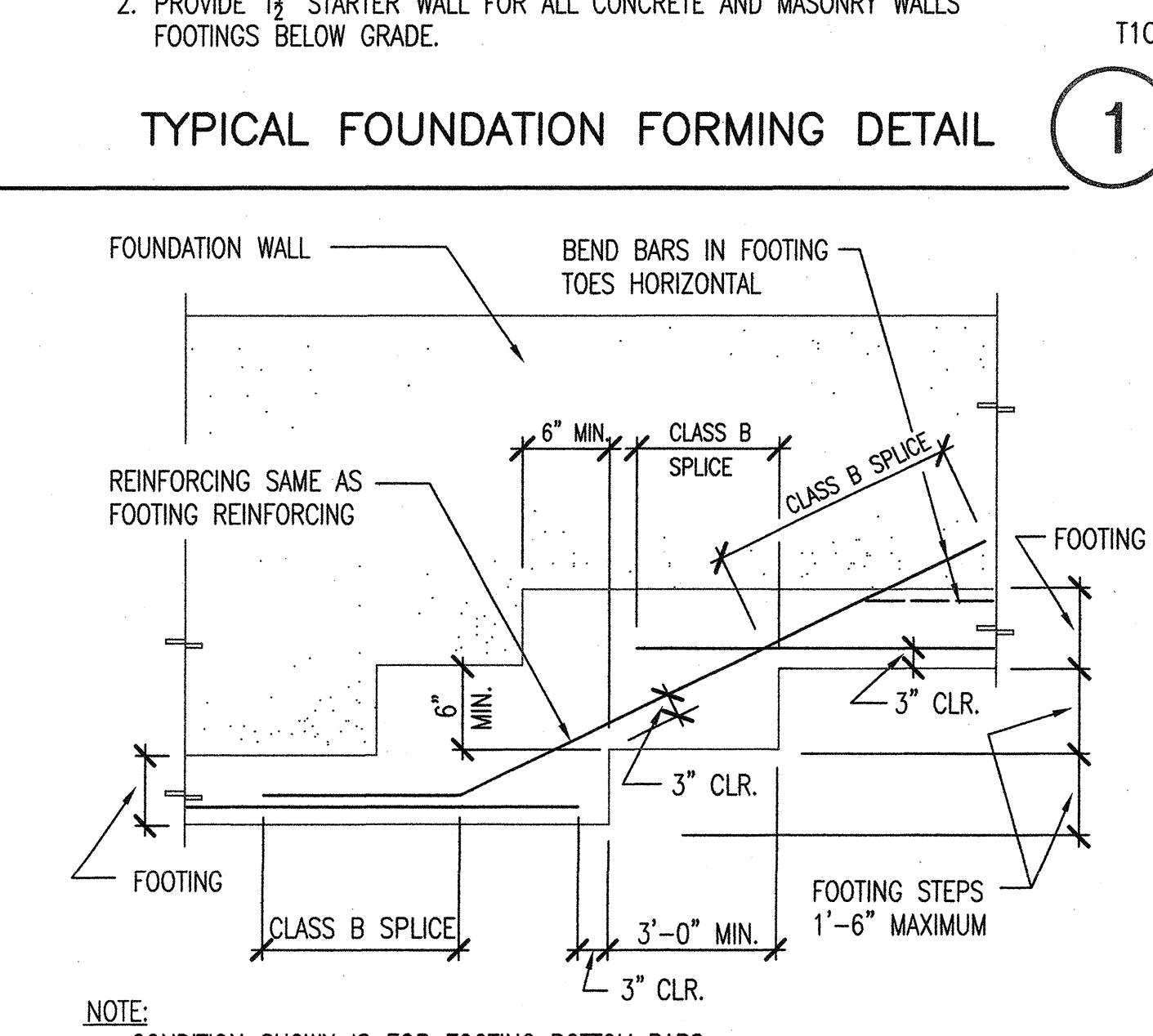
7
TYPICAL STIRRUP AND TIE HOOKS DETAIL



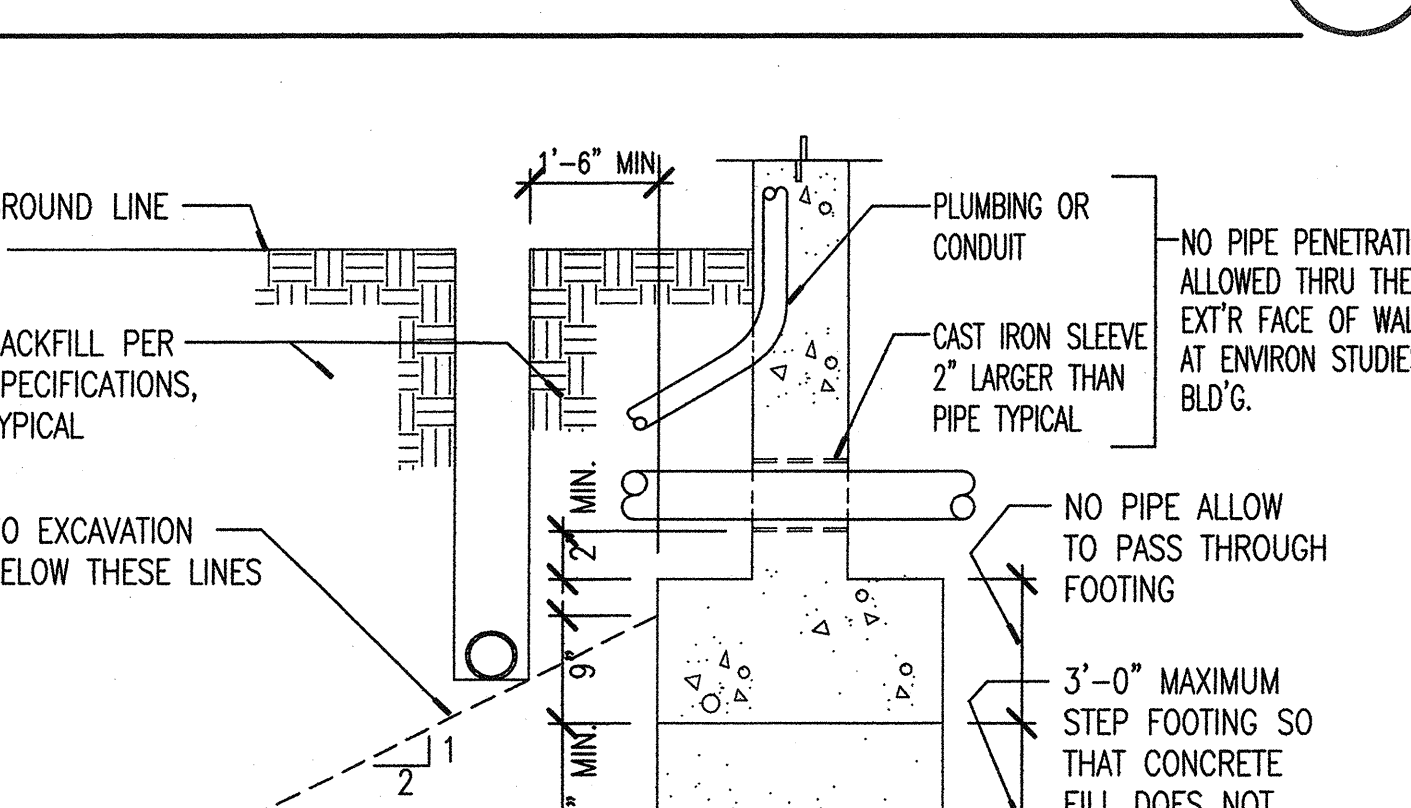
4
PIPE OR PIPE SLEEVE THROUGH FTG. DET.



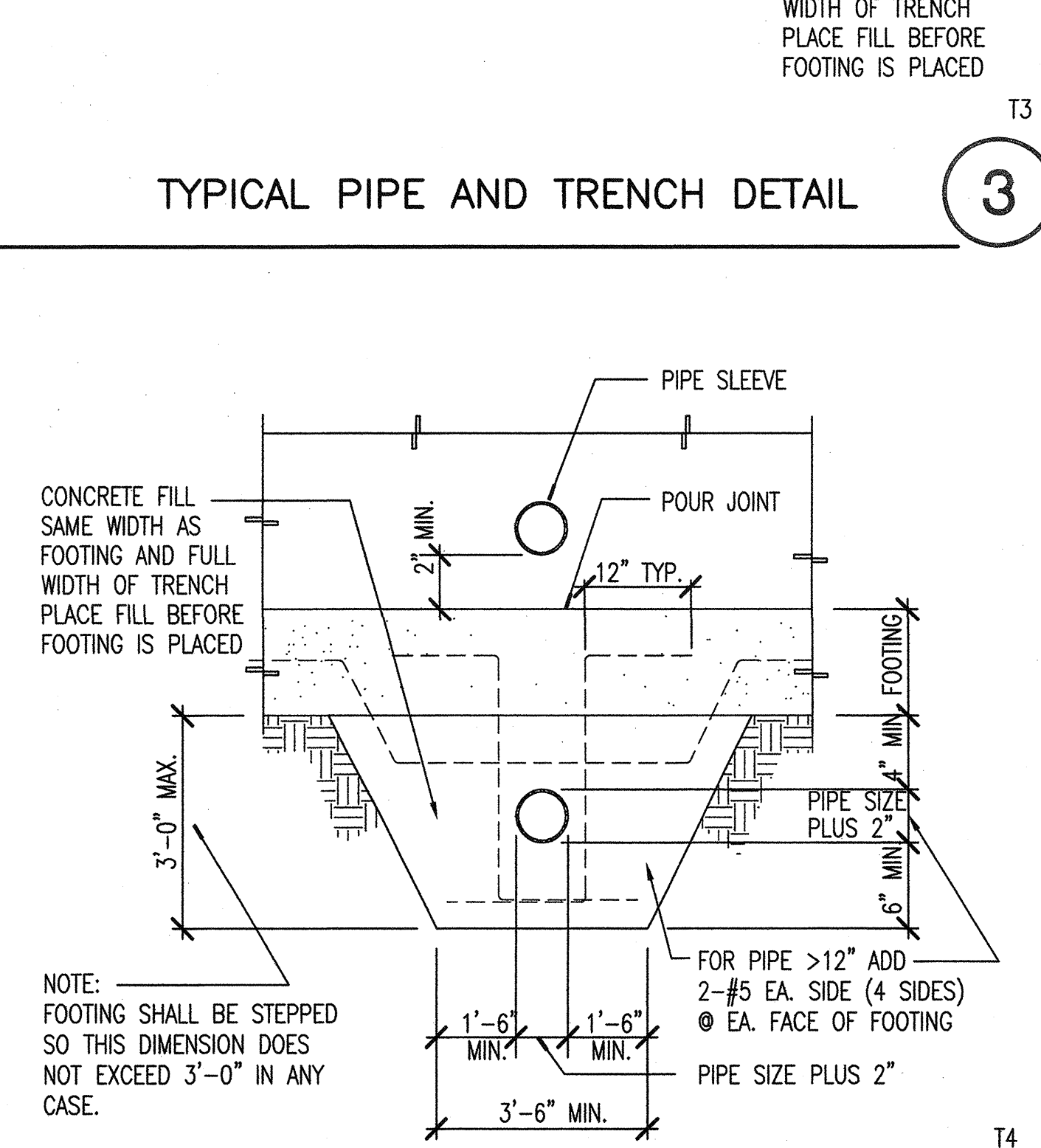
1
TYPICAL FOUNDATION FORMING DETAIL



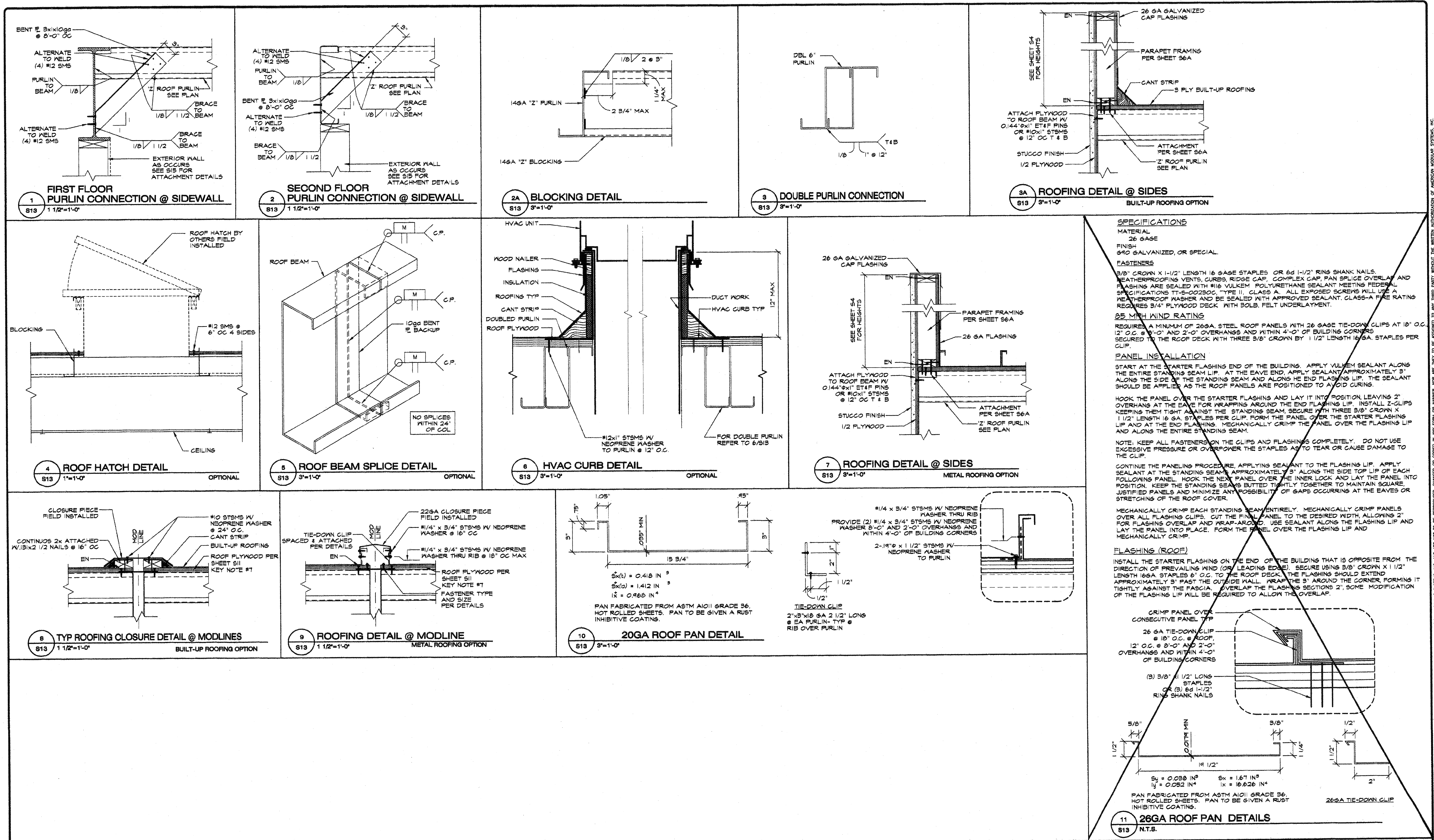
2
TYPICAL STEPPED FOOTING DETAIL



3
TYPICAL PIPE AND TRENCH DETAIL



4
PIPE OR PIPE SLEEVE THROUGH FTG. DET.



SPECIFICATIONS

MATERIAL
26 GA SE
940 GALVANIZED, OR SPECIAL.

FASTENERS
3/8" CROWN X 1 1/2" LENGTH 16 GA SE STAPLES OR 6d 1 1/2" RING SHANK NAILS.
WEATHERPROOFING VENTS, CURBS, RIDGE CAP, COMPLEX CAP, PAN SPLICE OVERLAP AND FLASHING ARE SEALED WITH #16 VULKEM POLYURETHANE SEALANT MEETING FEDERAL SPECIFICATIONS TT-5-02230C, TYPE II, CLASS A. ALL EXPOSED SCREWS WILL USE A WEATHERPROOF WASHER AND BE SEALED WITH APPROVED SEALANT. CLASS-A FIRE RATING REQUIRES 3/4" PLYWOOD DECK WITH SOLB, FELT UNDERLAYMENT.

26 MTD WIND RATING
REQUIRES A MINIMUM OF 26GA STEEL ROOF PANELS WITH 26 GA SE TIE-DOWN CLIPS AT 18" O.C. 12" O.C. @ 9'-0" AND 2'-0" OVERHANGS AND WITHIN 4'-0" OF BUILDING CORNERS SECURED TO THE ROOF DECK WITH THREE 3/8" CROWN BY 1 1/2" LENGTH 16 GA STAPLES PER CLIP.

PANEL INSTALLATION
START AT THE STARTER FLASHING END OF THE BUILDING. APPLY VULKEM SEALANT ALONG THE ENTIRE STANDING SEAM LIP. AT THE EAVE END, APPLY SEALANT APPROXIMATELY 3" ALONG THE SIDE OF THE STANDING SEAM AND WITHIN 4'-0" OF BUILDING CORNERS. THE SEALANT SHOULD BE APPLIED AS THE PANELS ARE POSITIONED TO AVOID CURING.

HOOK THE PANEL OVER THE STARTER FLASHING AND LAY IT INTO POSITION LEAVING 2" OVERHANG AT THE EAVE FOR WRAPPING AROUND THE END FLASHING LIP. INSTALL Z-CLIPS KEEPING THEM TIGHT AGAINST THE STANDING SEAM. SECURE WITH THREE 3/8" CROWN X 1 1/2" LENGTH 16 GA STAPLES PER CLIP FROM THE PANEL OVER THE STARTER FLASHING LIP AND AT THE END FLASHING. MECHANICALLY CRIMP THE PANEL OVER THE FLASHING LIP AND ALONG THE ENTIRE STANDING SEAM.

NOTE: KEEP ALL FASTENERS ON THE CLIPS AND FLASHINGS COMPLETELY. DO NOT USE EXCESSIVE PRESSURE OR OVERPOWER THE STAPLES AS TO TEAR OR CAUSE DAMAGE TO THE CLIP.

CONTINUE THE PANELING PROCEDURE, APPLYING SEALANT TO THE FLASHING LIP. APPLY SEALANT AT THE STANDING SEAM APPROXIMATELY 3" ALONG THE SIDE TOP LIP OF EACH FOLLOWING PANEL. HOOK THE NEXT PANEL OVER THE INNER LOCK AND LAY THE PANEL INTO POSITION. KEEP THE STANDING SEAMS BUTTED TIGHTLY TOGETHER TO MAINTAIN SQUARE, JUSTIFIED PANELS AND MINIMIZE ANY POSSIBILITY OF GAPS OCCURRING AT THE EAVES OR STRETCHING OF THE ROOF COVER.

MECHANICALLY CRIMP EACH STANDING SEAM ENTIRELY. MECHANICALLY CRIMP PANELS OVER ALL FLASHING CLIPS. CUT THE FINAL PANEL TO THE DESIRED WIDTH, ALLOWING 2" FOR FLASHING OVERLAP AND WRAP-AROUND. USE SEALANT ALONG THE FLASHING LIP AND LAY THE PANEL INTO PLACE. FORM THE PANEL OVER THE FLASHING LIP AND MECHANICALLY CRIMP.

FLASHING (ROOF)
INSTALL THE STARTER FLASHING ON THE END OF THE BUILDING THAT IS OPPOSITE FROM THE DIRECTION OF PREVAILING WIND (OR LEADING EDGE). SECURE USING 3/8" CROWN X 1 1/2" LENGTH 16 GA STAPLES 6" O.C. TO THE ROOF DECK. THE FLASHING SHOULD EXTEND APPROXIMATELY 3" PAST THE OUTSIDE WALL. WRAP THE 3" AROUND THE CORNER, FORMING IT TIGHTLY AGAINST THE FACIA. OVERLAP THE FLASHING SECTIONS 2". SOME MODIFICATION OF THE FLASHING LIP WILL BE REQUIRED TO ALLOW THE OVERLAP.

CRIMP PANEL OVER CONSECUTIVE PANEL TOP
26 GA TIE-DOWN CLIP @ 18" O.C. @ ROOF,
12" O.C. @ 9'-0" AND 2'-0" OVERHANGS AND WITHIN 4'-0" OF BUILDING CORNERS
(B) 3/8" X 1 1/2" LONG STAPLES
OR (B) 6d 1 1/2" RING SHANK NAILS

PAN FABRICATED FROM ASTM A101 GRADE 36, HOT ROLLED SHEETS. PAN TO BE GIVEN A RUST INHIBITIVE COATING.

26GA TIE-DOWN CLIP

11
S13 N.T.S.

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 10-28-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
**48' x 228' x 40' 2 STORY BUILDING
ROOF FRAMING DETAILS**



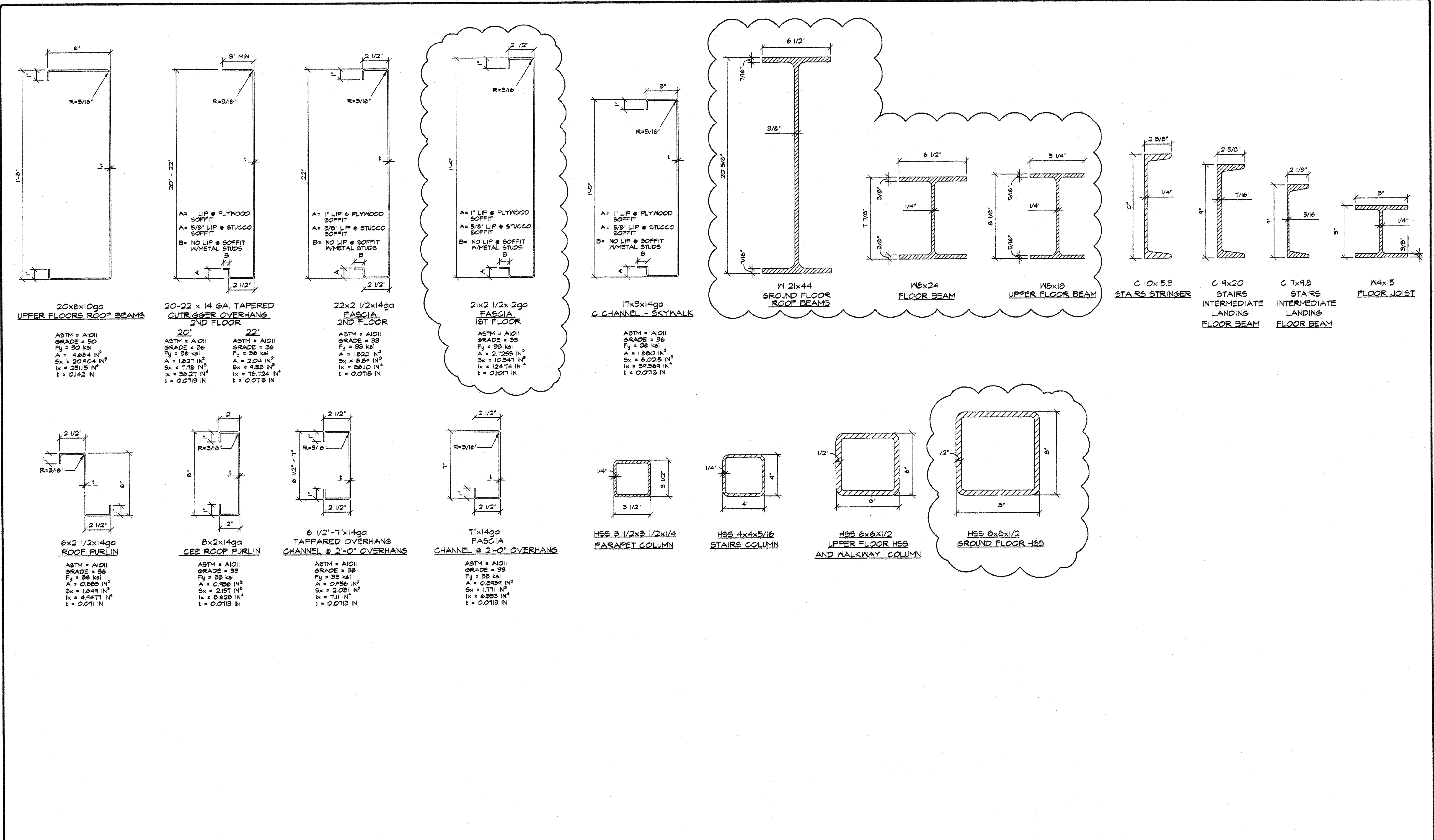
APPROVALS:
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Professional Engineer Stamp: Kenneth A. Lerner, No. 1418, Exp. 3-31-11, Structural Engineer, State of California.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROX 113828
AC: FLS SS PD
DATE: JUL 08 2011

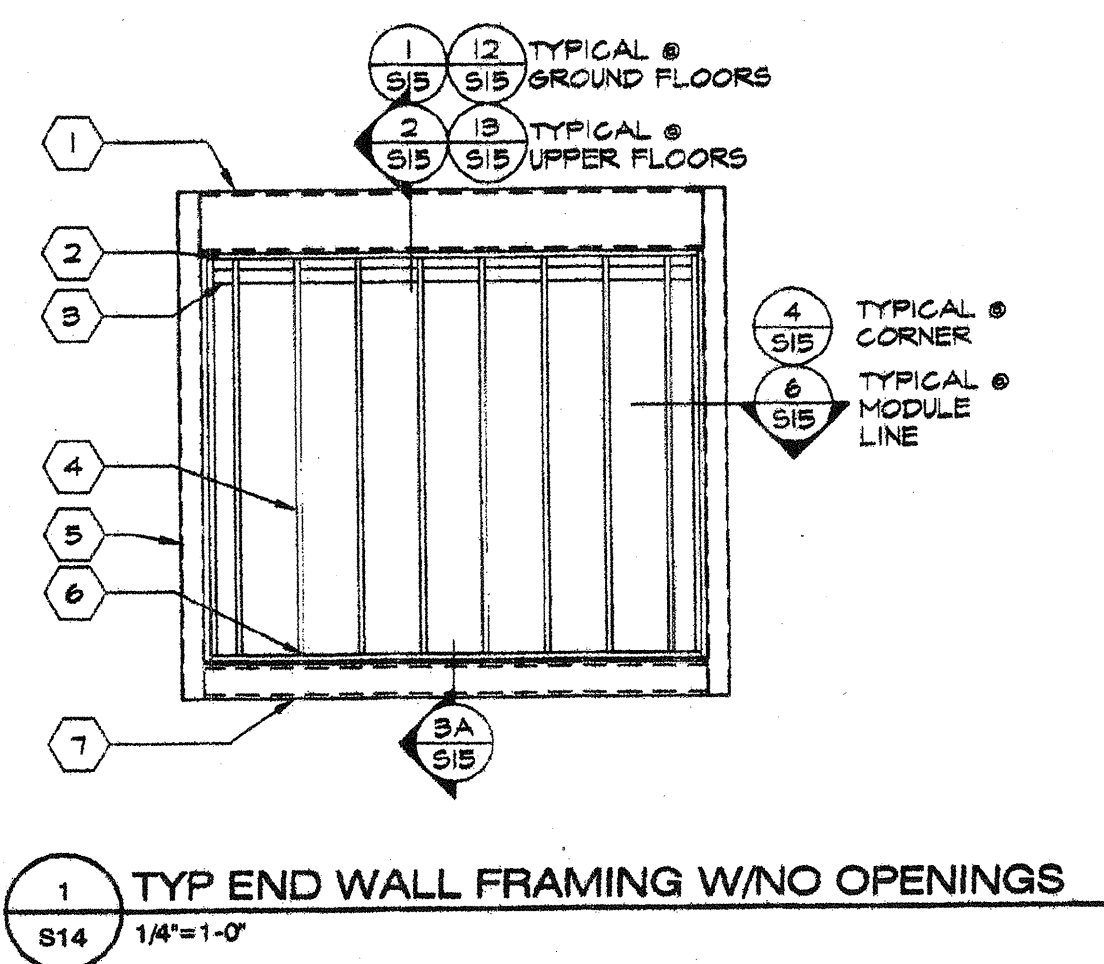
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NO. 02-110618
AC: FLS SS
DATE: NOV 17 2009

PROJECT NO.
PC
S13

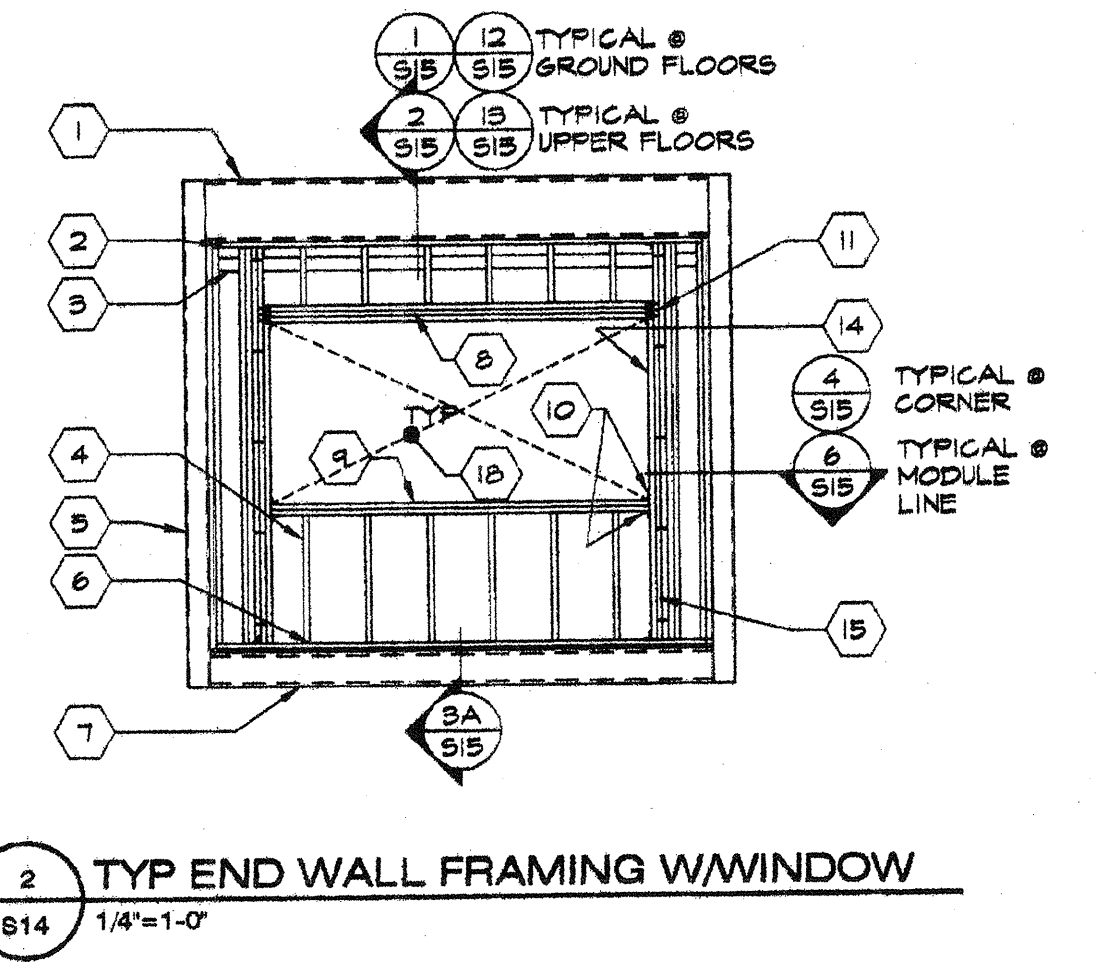


REVISIONS NO. DATE DESCRIPTION 1. 11/11/11 1. 11/11/11 2. 11/11/11 2. 11/11/11 3. 11/11/11 3. 11/11/11		DATE: 06-17-10 SCALE: NOTED DRAWN BY: RL SERIAL NO.:	CUSTOMER: 48' - 228' x 40' 2 STORY BUILDING STEEL MEMBER PROPERTIES	AMS American Modular Systems Inc. 787 Sprinklers Ave. Manteca, CA 95336 (209) 938-1821 Fax: (209) 938-7018 email: amsmodule.com	APPROVALS: THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD. 	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPROX 113828 AC: FLS SS DATE: JUL 8 8 2011	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 02-110618 AC: FLS SS DATE: 7/11/11	PROJECT No. PC S13A
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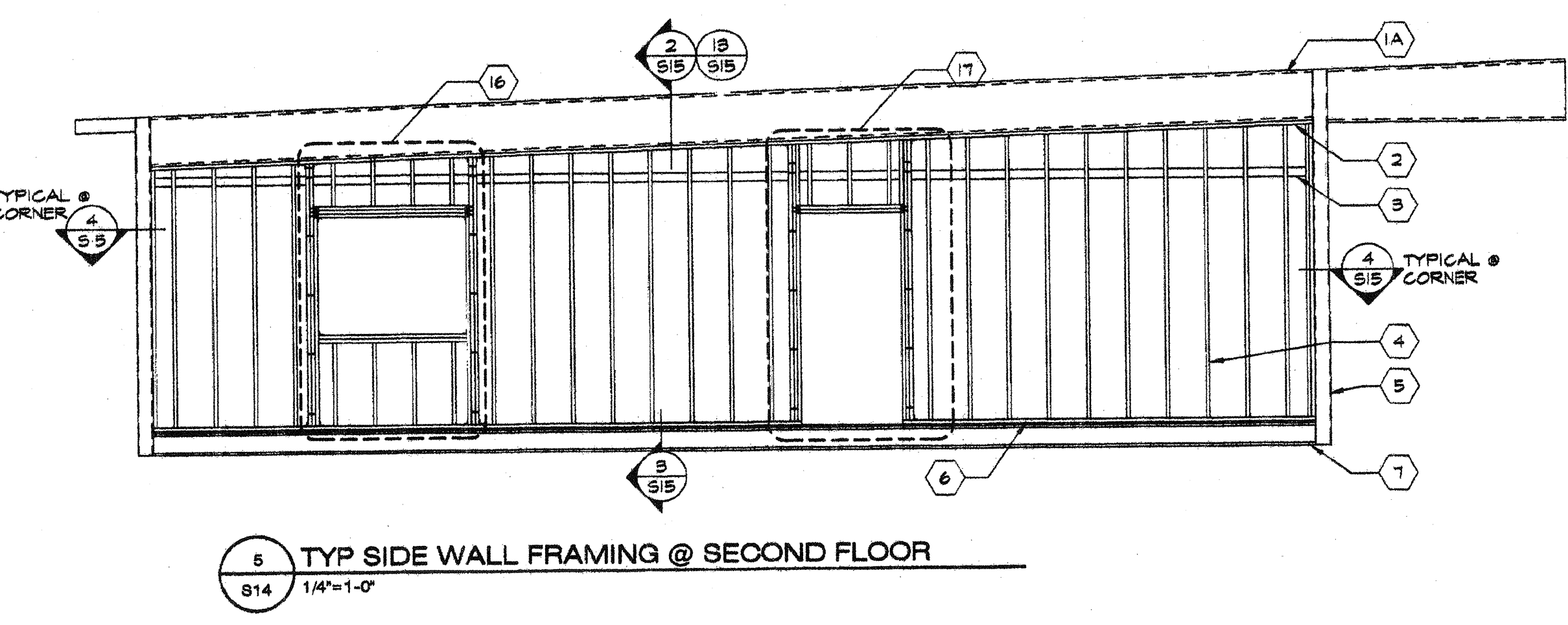
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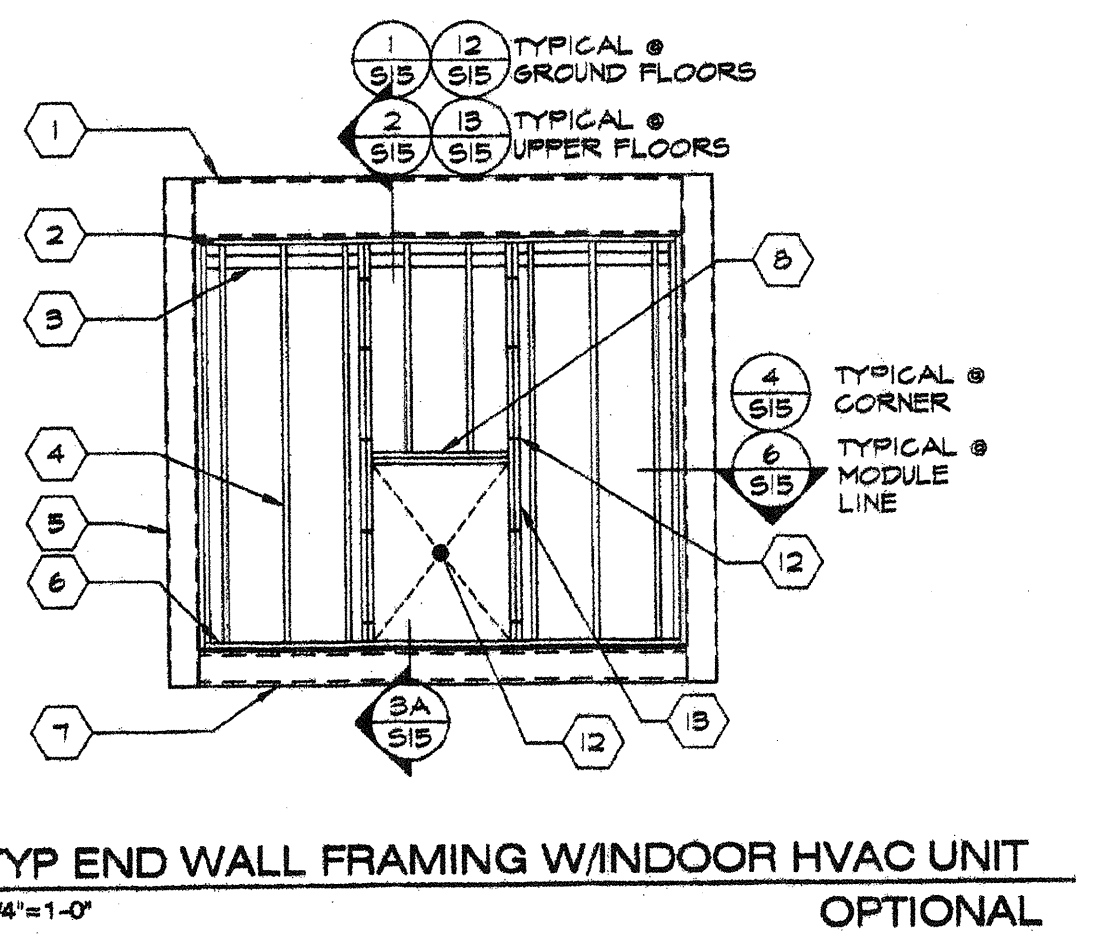
1 TYP END WALL FRAMING W/NO OPENINGS
S14 1/4"=1'-0"



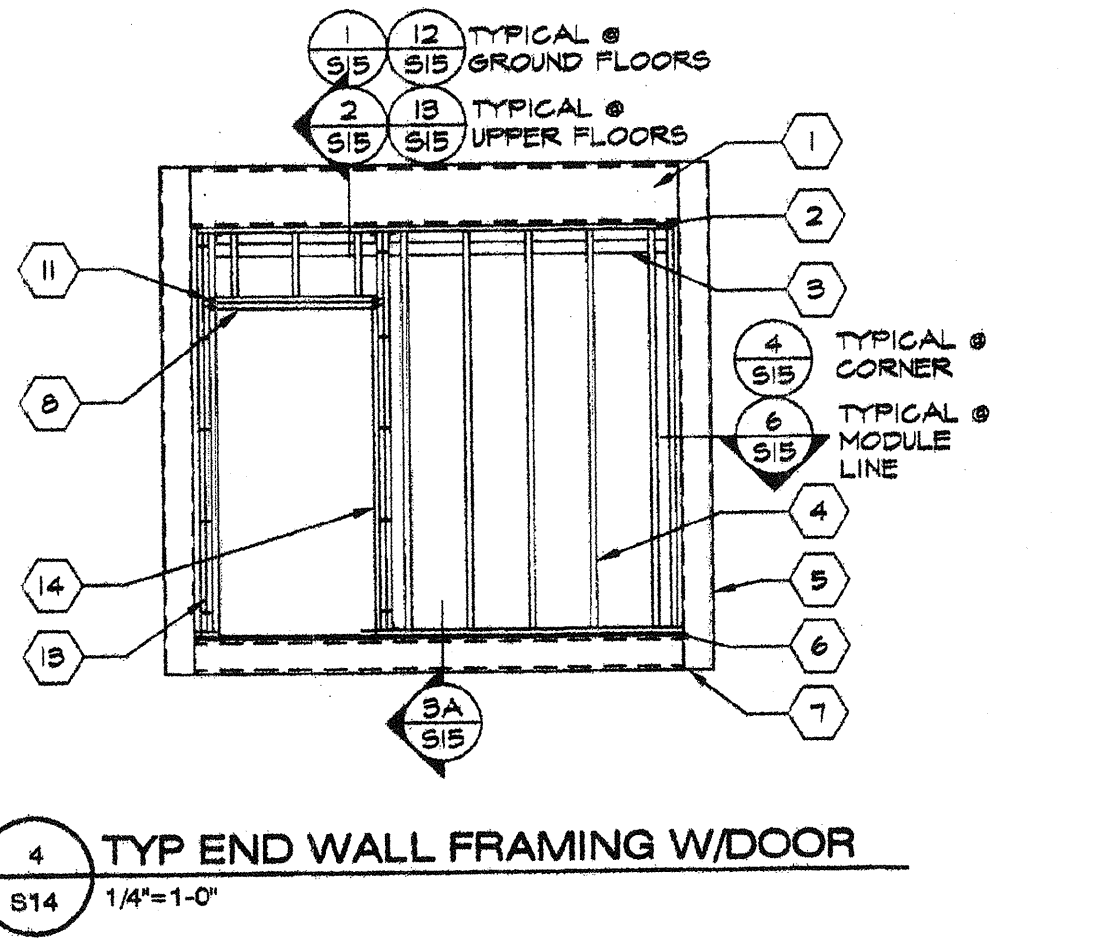
2 TYP END WALL FRAMING W/WINDOW
S14 1/4"=1'-0"



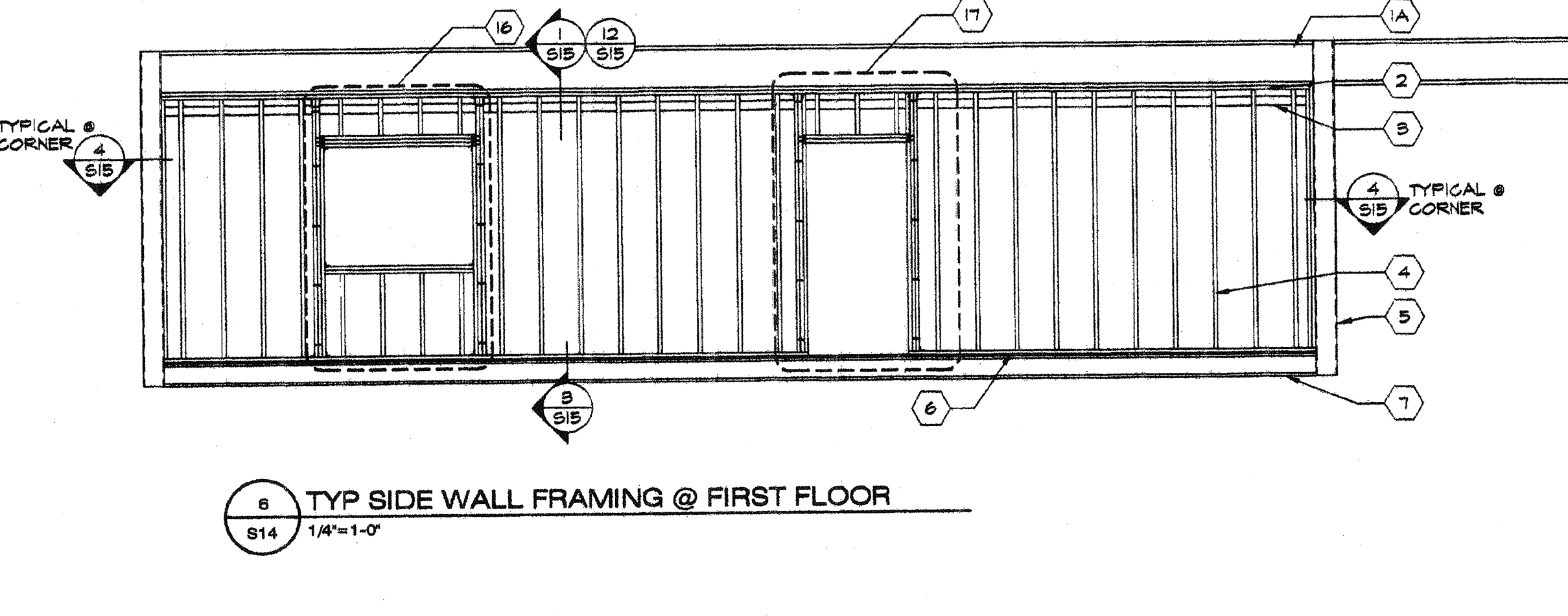
5 TYP SIDE WALL FRAMING @ SECOND FLOOR
S14 1/4"=1'-0"



3 TYP END WALL FRAMING W/DOOR HVAC UNIT
S14 1/4"=1'-0" OPTIONAL



4 TYP END WALL FRAMING W/DOOR
S14 1/4"=1'-0"



6 TYP SIDE WALL FRAMING @ FIRST FLOOR
S14 1/4"=1'-0"

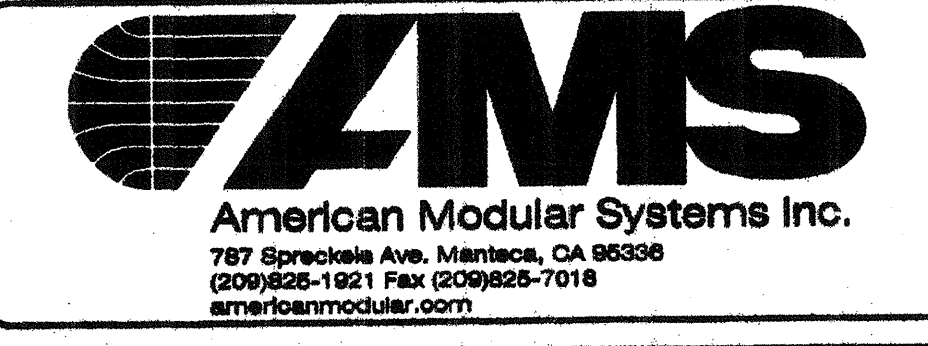
- KEY NOTES -
- 1 TRANVERSE BEAM
 - 1A LONGITUDINAL BEAM
 - 2 TOP PLATE PER SCHEDULE
 - 3 2x BLK G W/ (2) .18x3" NAILS EA END TYP
 - 4 2x HEM FIR #2 STUDS REFER TO SCHEDULE @ 16" OC TYP W/ (3) .18x3" NAILS @ EA END
 - 5 HSS COLUMN
 - 6 BOTTOM PLATE PER SCHEDULE
 - 7 PERIMETER FLOOR BM
 - 8 HEM FIR #2 HEADER REFER TO DETAIL 5/55
 - 9 (2) 2x HEM FIR #2 WINDOW SILL I
 - 10 NOT USED
 - 11 (6) .18x3" END NAILS THROUGH KING STUD TYP
 - 12 MAX OPENING 4'-0" x 4'-0"
 - 13 (2) 2x HEM FIR #2 KING STUDS W/ (2) ASS T & B TO PLATES (INTERNAL .18x3" NAILS @ 11" OC TYP)
 - 14 2x HEM FIR #2 TRIMMER W/ (2) .18x3" NAILS TO KINGSTUD AT 16" OC
 - 15 (3) 2x HEM FIR #2 KING STUDS W/ (2) ASS T & B TO PLATES (INTERNAL .18x3" NAILS @ 11" OC)
 - 16 OPTIONAL WINDOW OPENING MAX 8'-0" WIDE (REFER TO 2/514 FOR DETAILS)
 - 17 OPTIONAL DOOR OPENING (REFER TO 4/514 FOR DETAILS)

	STUD/PLATE SCHEDULE			
	STUDS @ SIDERALL	STUDS @ ENDWALLS	PLATES @ SIDERALL	PLATES @ ENDWALLS
GROUND FLOOR	2x6 H.F. #2	2x6 H.F. #2	2x6 H.F. #2	2x6 H.F. #2
UPPER FLOOR	2x6 H.F. #2	2x6 H.F. #2	2x6 H.F. #2	2x6 H.F. #2

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 10-29-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
WALL FRAMING ELEVATIONS W/ WOOD STUDS

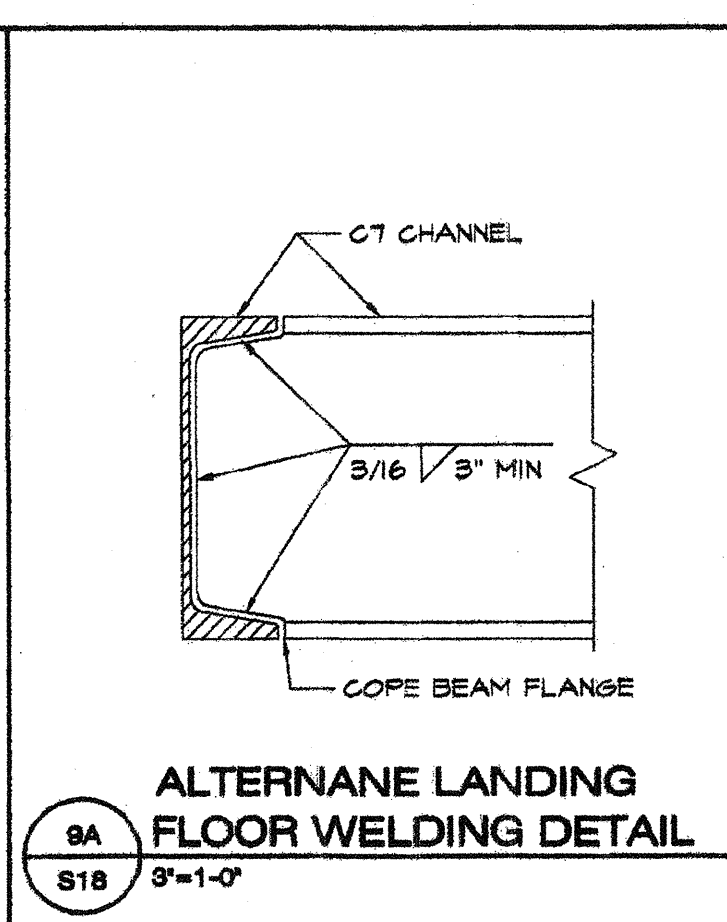
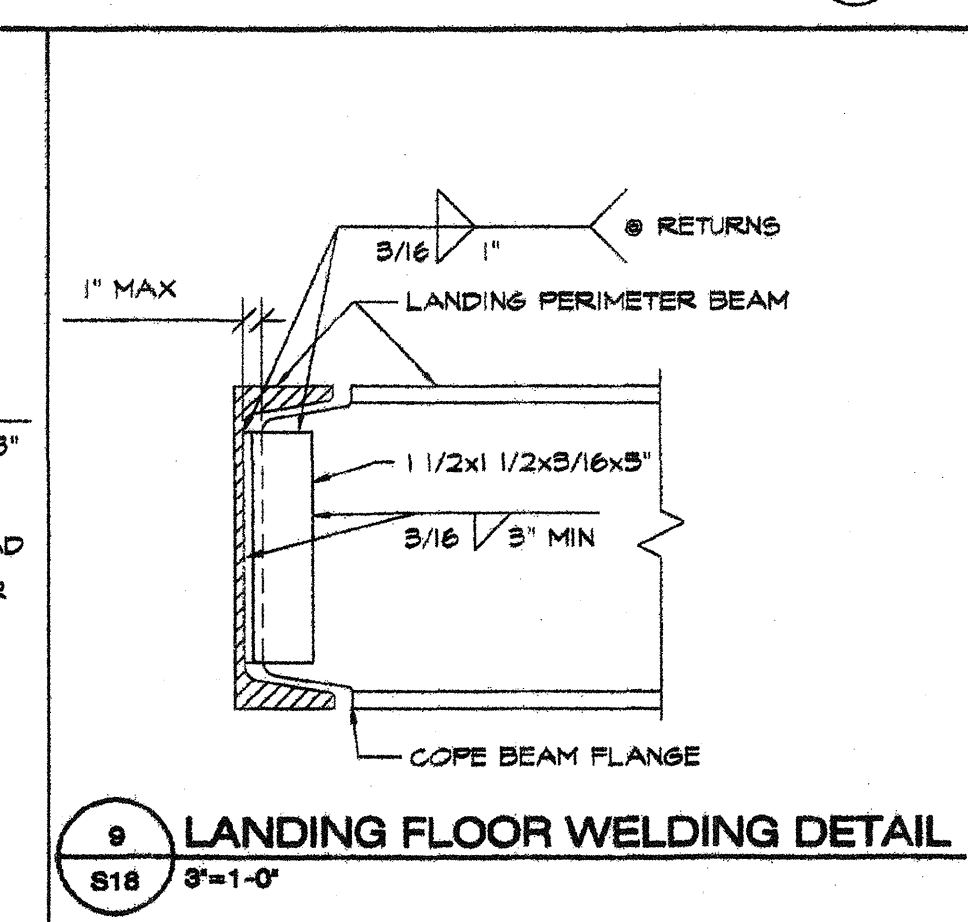
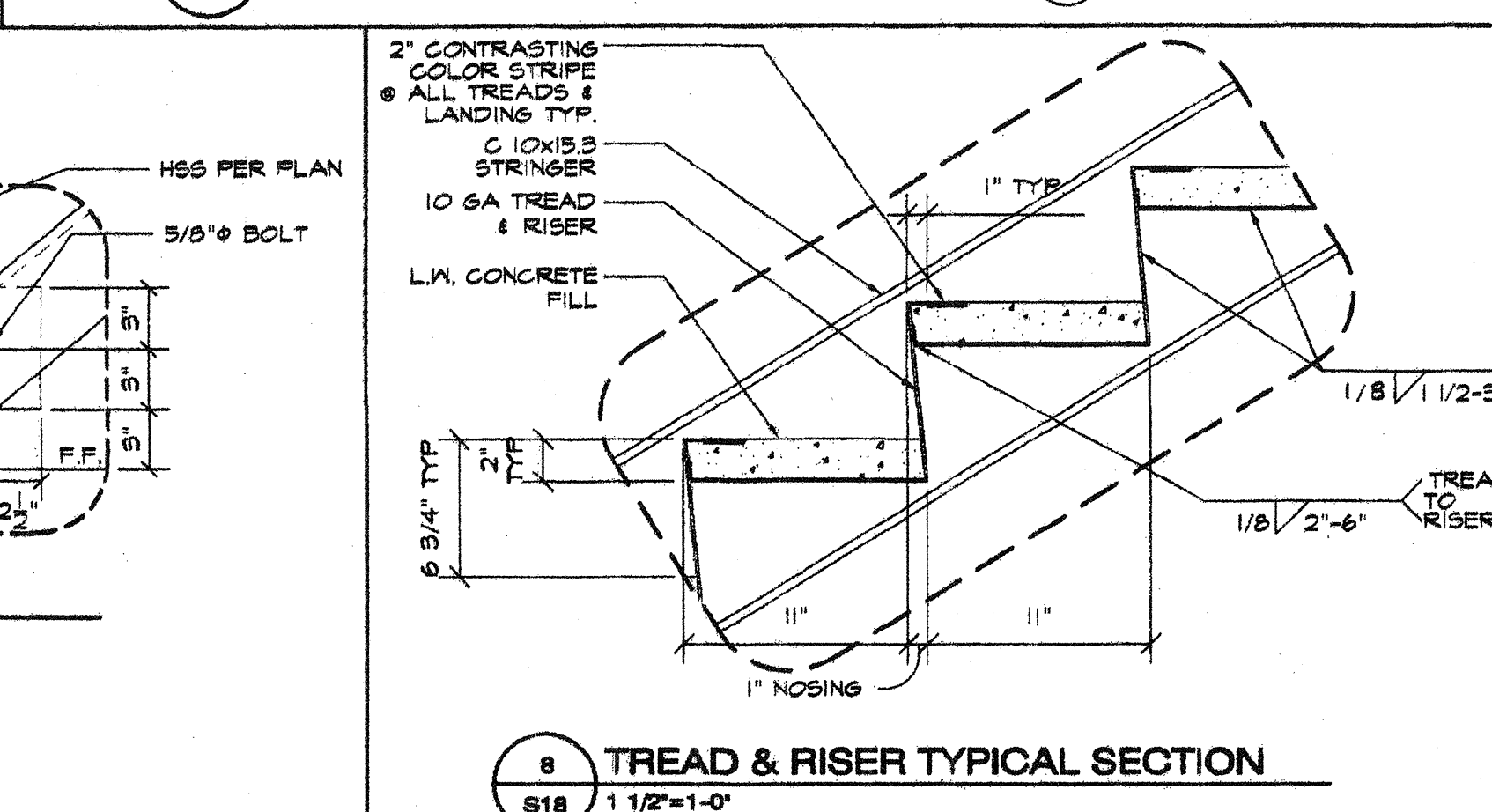
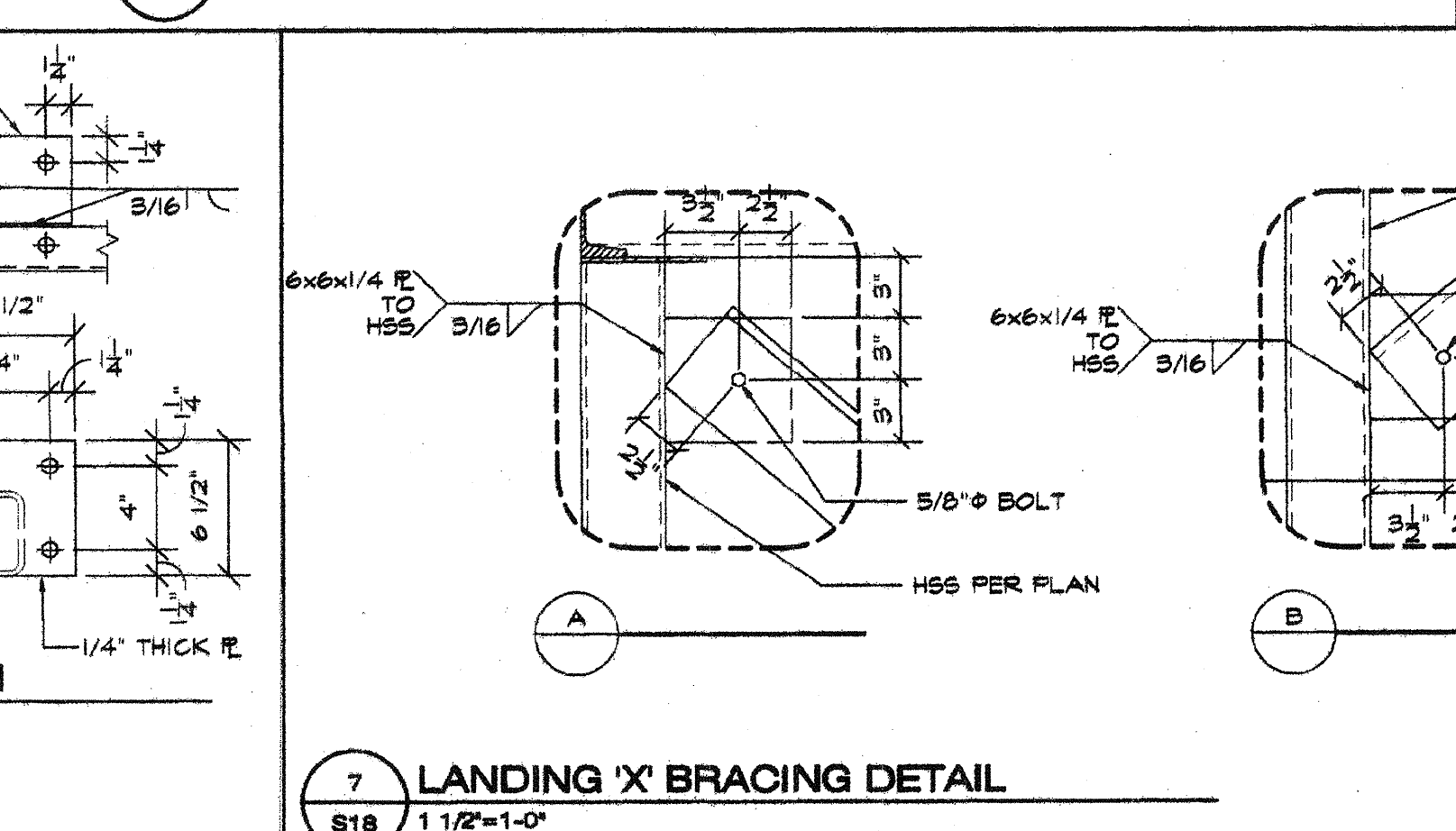
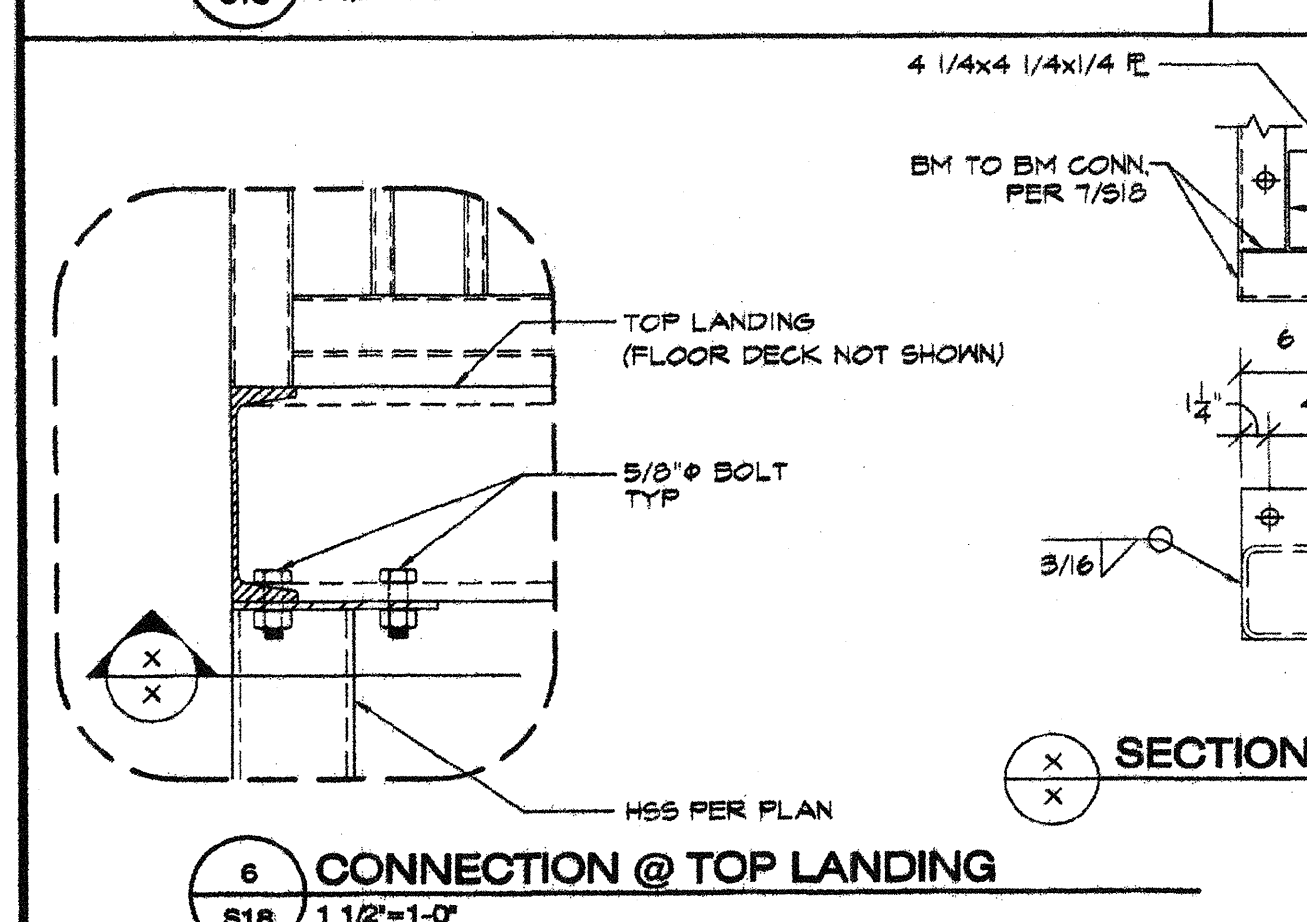
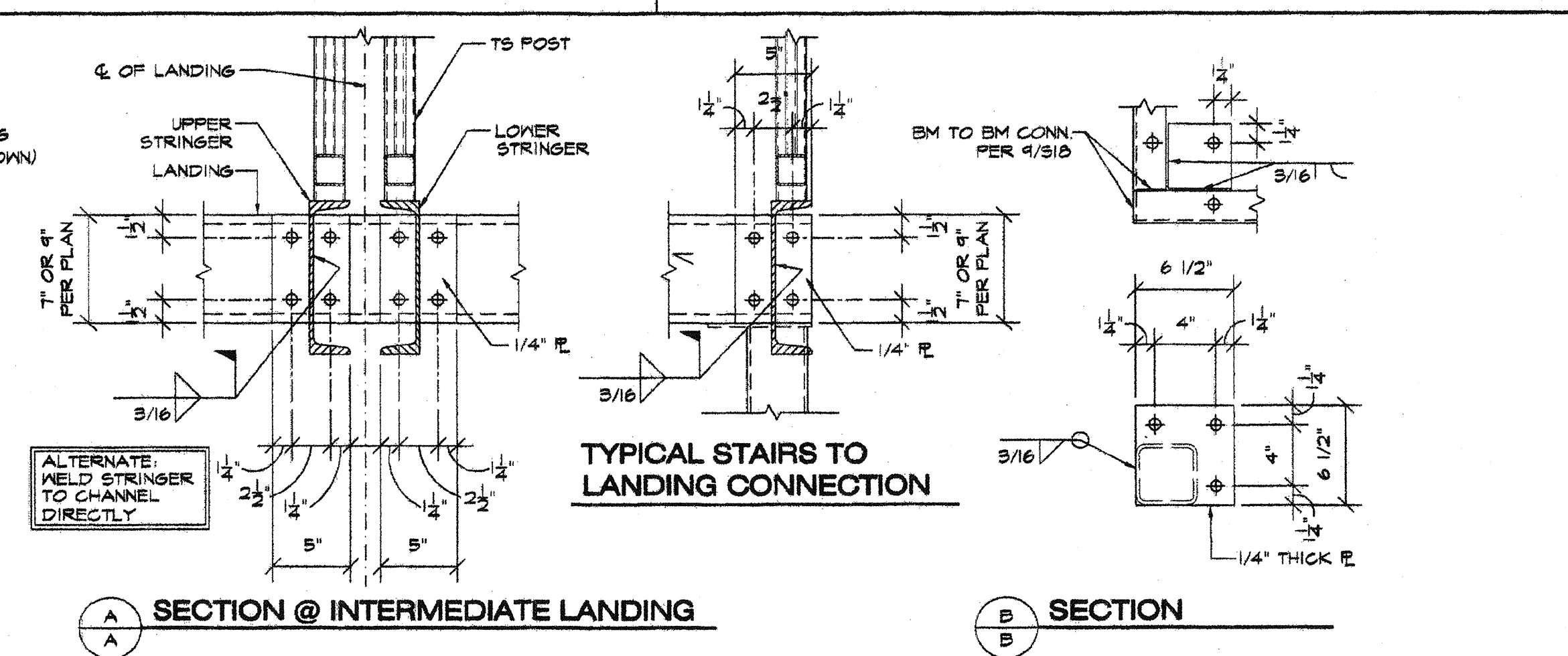
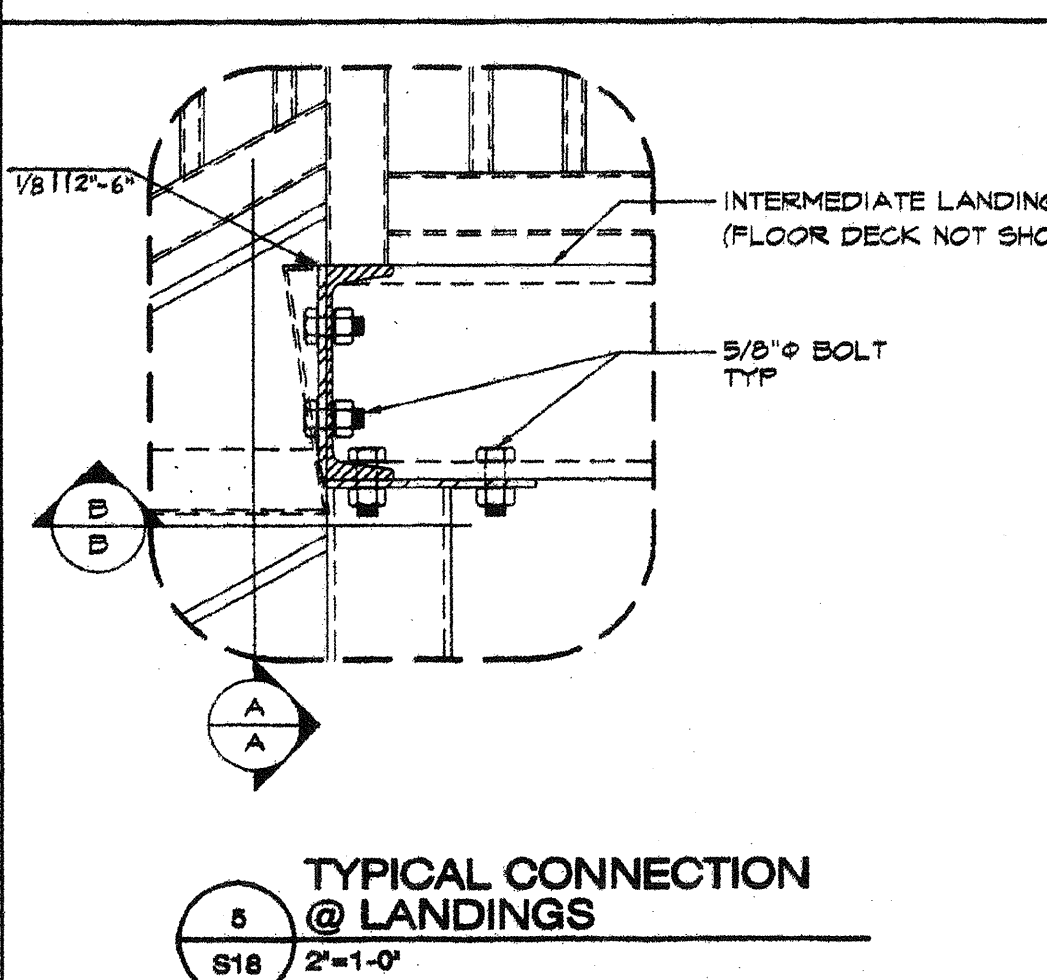
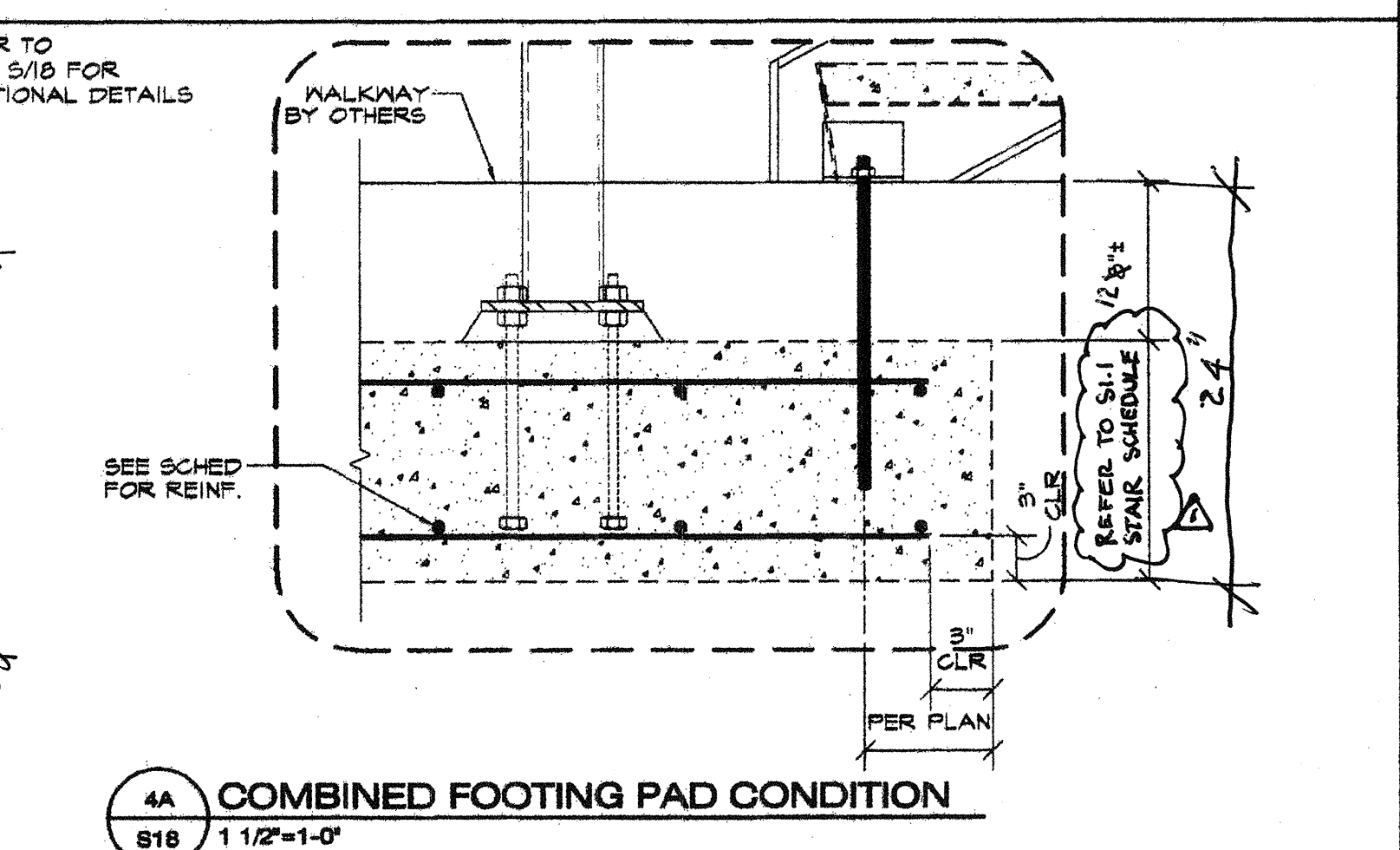
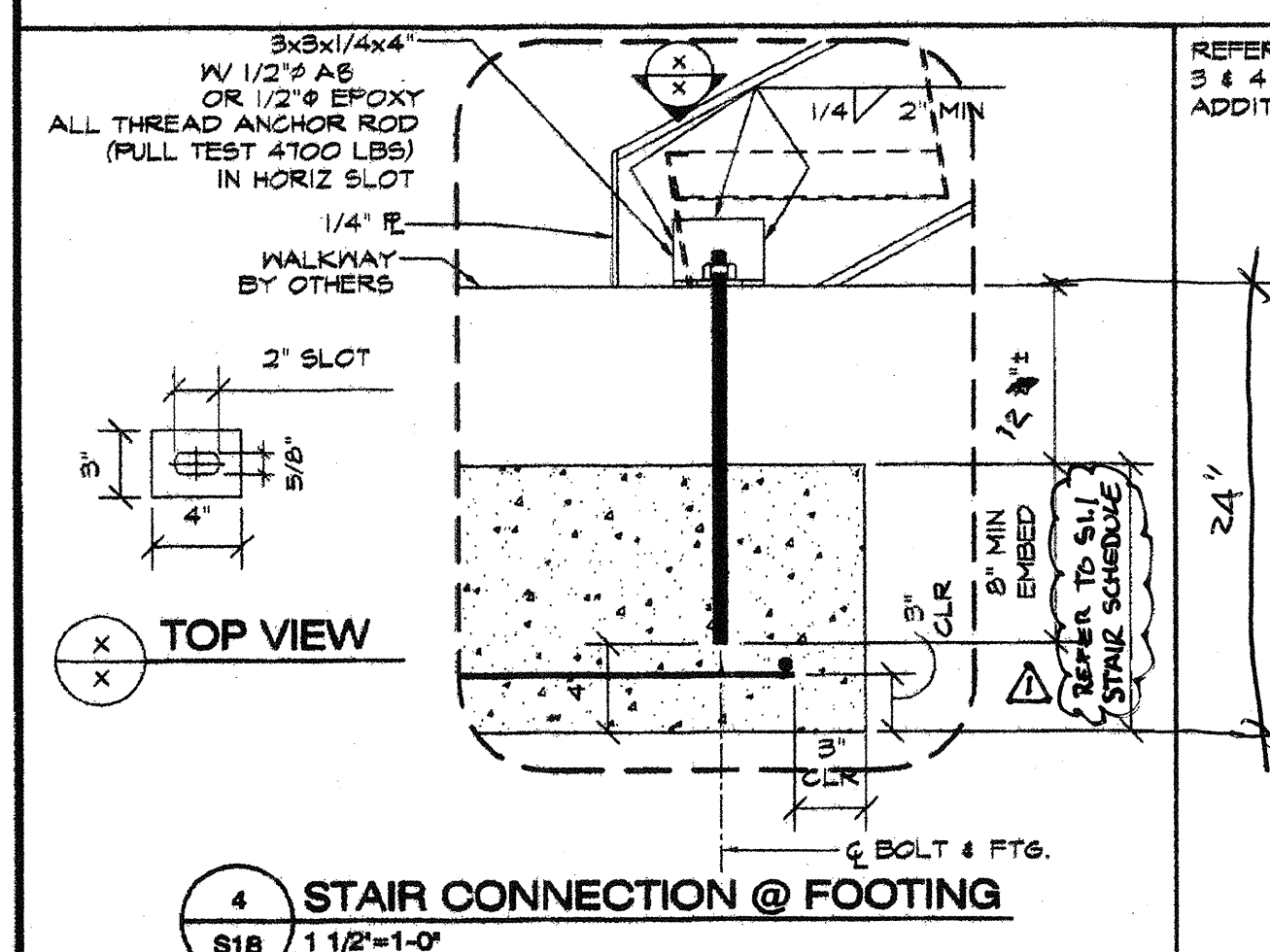
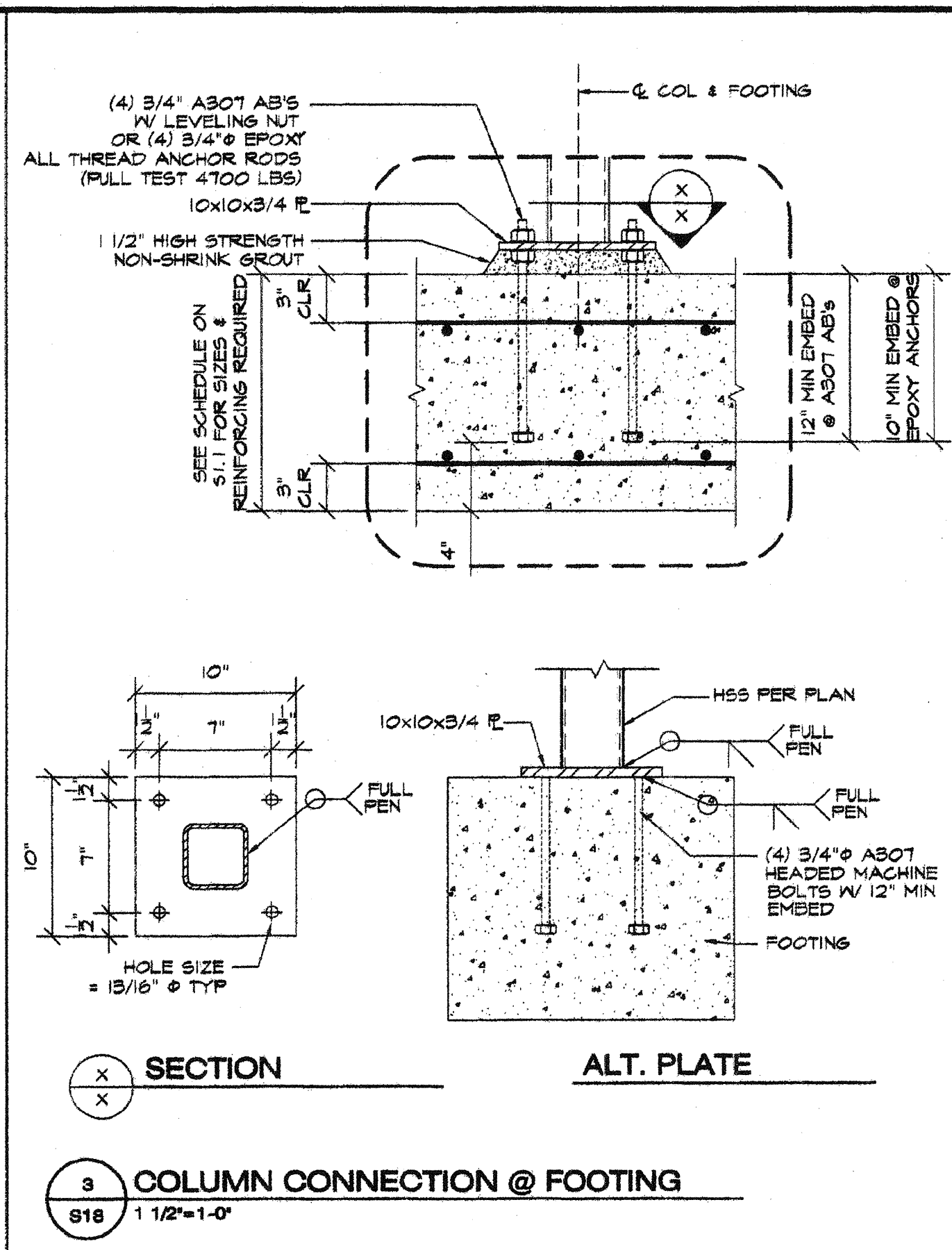
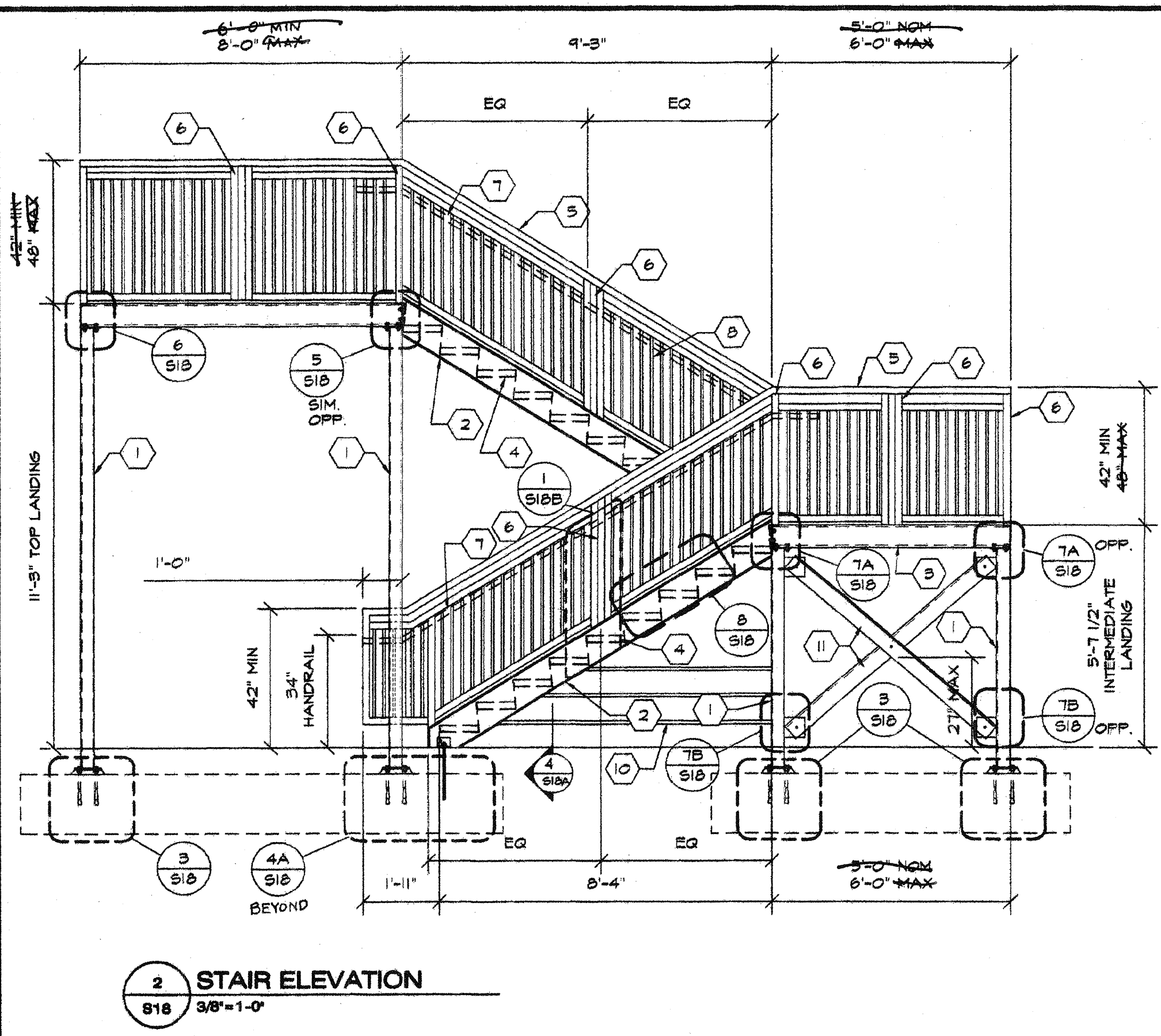
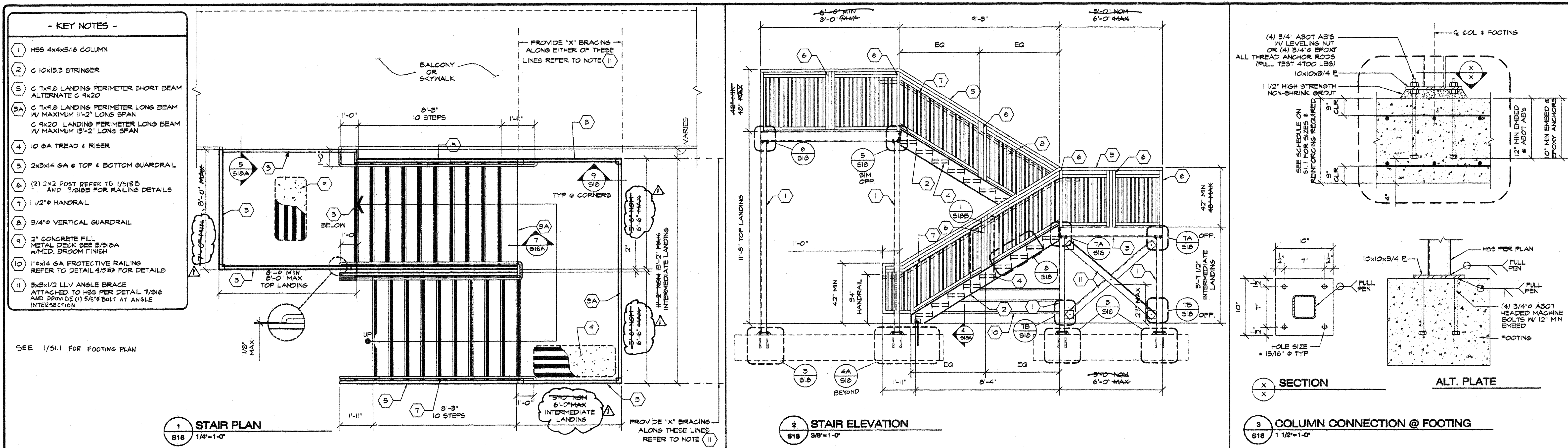


APPROVALS:
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Professional Engineer Seal: Kenneth A. Lerner, No. 4419, Exp. 3/31/11, State of California.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPRG 113828
AC FLS SS
DATE JUL 08 2011
Professional Engineer Seal: PC 02-110618, State of California, Date: NOV 17 2011.

PROJECT No.
PC
S14

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REVISIONS

NO.	DATE	DESCRIPTION
1	06/07/11	KEYTEL DSA S.S.

DATE: 10-28-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
STAIR PLAN AND DETAILS

AMS
American Modular Systems Inc.
787 Brentwood Ave., Manteca, CA 95236
(209) 658-1101 Fax: (209) 658-7018
amermodular.com

APPROVALS:
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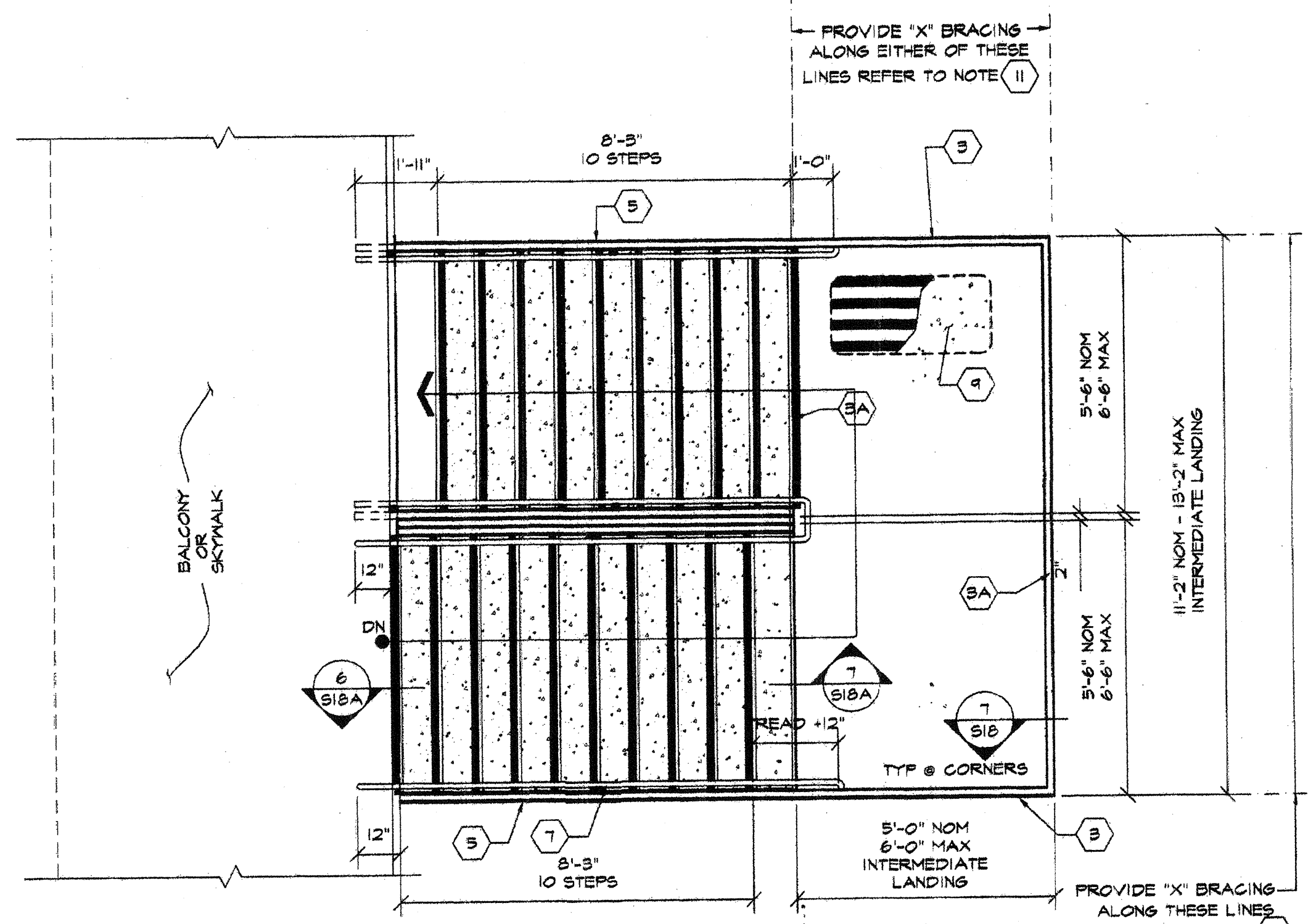
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 03 11 3 8 2 8
AC FLS SS
DATE JUL 9 6 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-110818
AC FLS SS
DATE NOV 17 2009

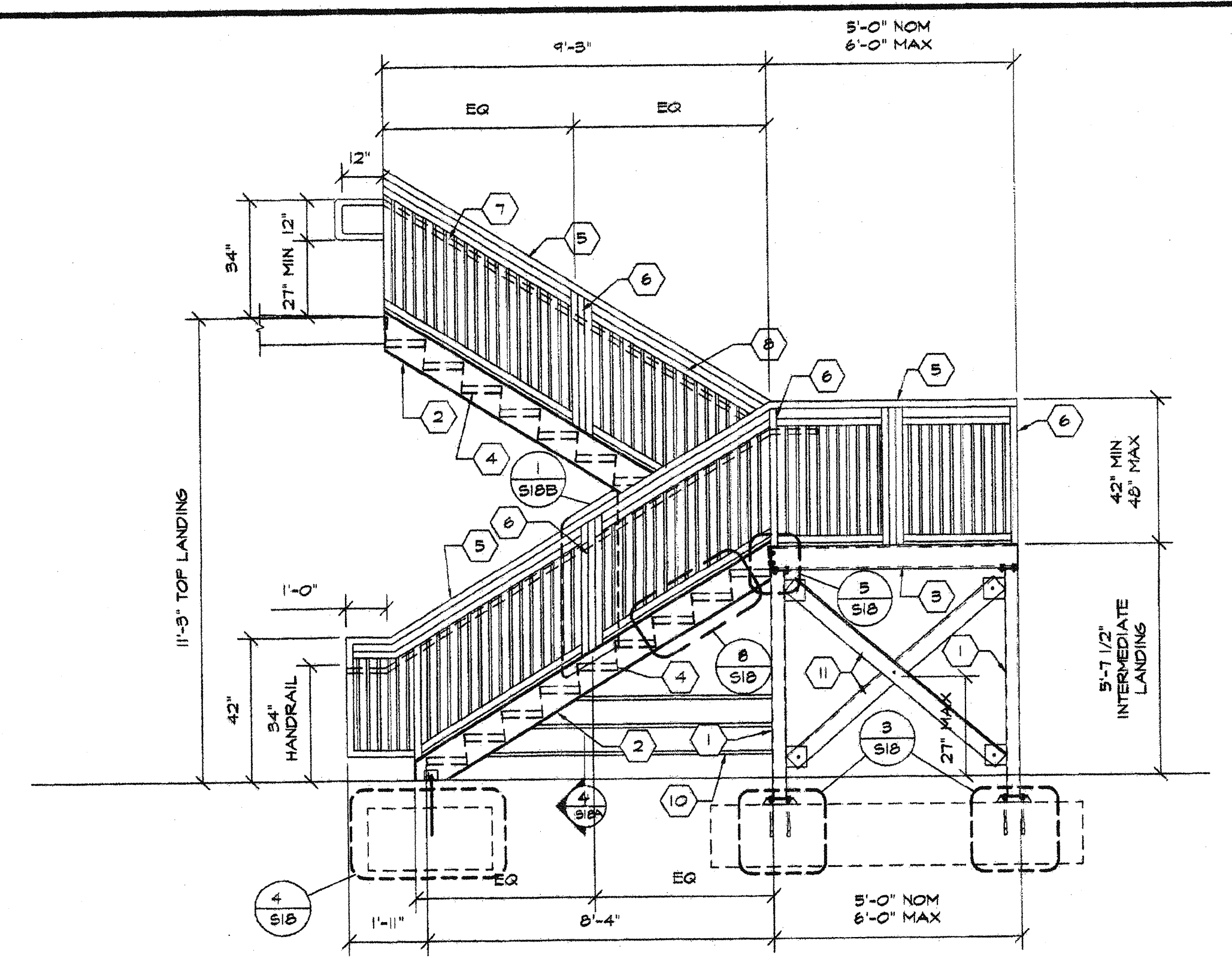
PROJECT NO.
PC
S18

- KEY NOTES -**
- 1 HSS 4x4x5/16 COLUMN
 - 2 C 10x5.3 STRINGER
 - 3 C 7x4.8 LANDING PERIMETER SHORT BEAM ALTERNATE C 9x2.0
 - 3A C 7x4.8 LANDING PERIMETER LONG BEAM W/ MAXIMUM 11'-2" LONG SPAN
 - 3B C 9x2.0 LANDING PERIMETER LONG BEAM W/ MAXIMUM 13'-2" LONG SPAN
 - 4 10 GA TREAD & RISER
 - 5 1/2x2x1/4 GA @ TOP & BOTTOM GUARDRAIL
 - 6 2x2 POST REFER TO DETAIL 1/5/BB AND 3/5/BB FOR RAILING DETAILS
 - 7 1 1/2" HANDRAIL
 - 8 3/4" VERTICAL GUARDRAIL
 - 9 2" CONCRETE FILL METAL DECK SEE 3/5/BA W/MED. BROOM FINISH
 - 10 1"x1/4" GA PROTECTIVE RAILING REFER TO DETAIL 4/5/BA FOR DETAILS
 - 11 5x5x1/2 LLY ANGLE BRACE ATTACHED TO HSS PER DETAIL 1/5/BB AND PROVIDE (1) 5/8" BOLT AT ANGLE INTERSECTION

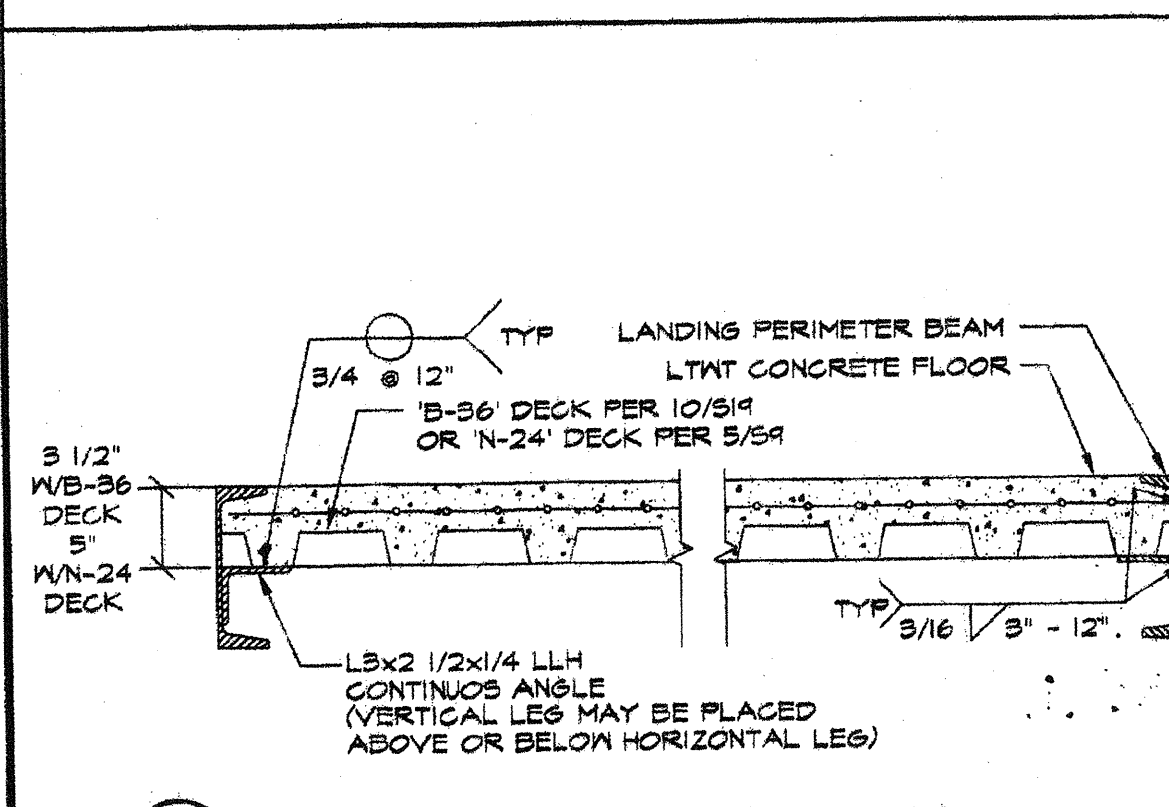
SEE 2/5/1 FOR FOOTING PLAN



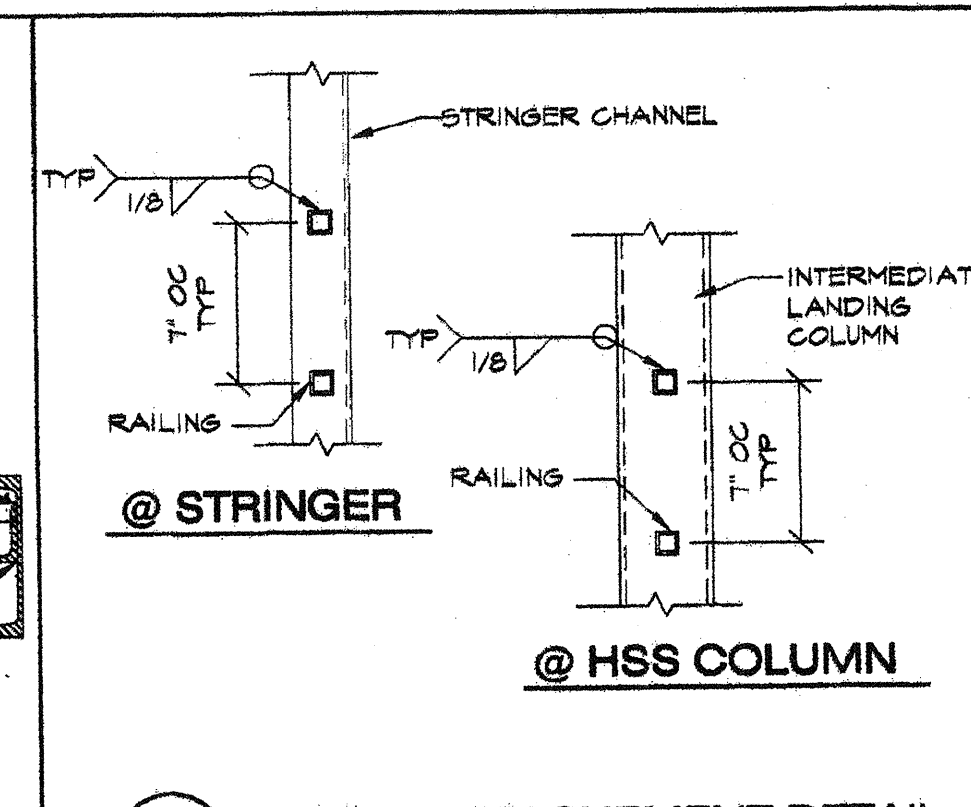
1 STAIR PLAN
S18A 1/4"=1'-0"



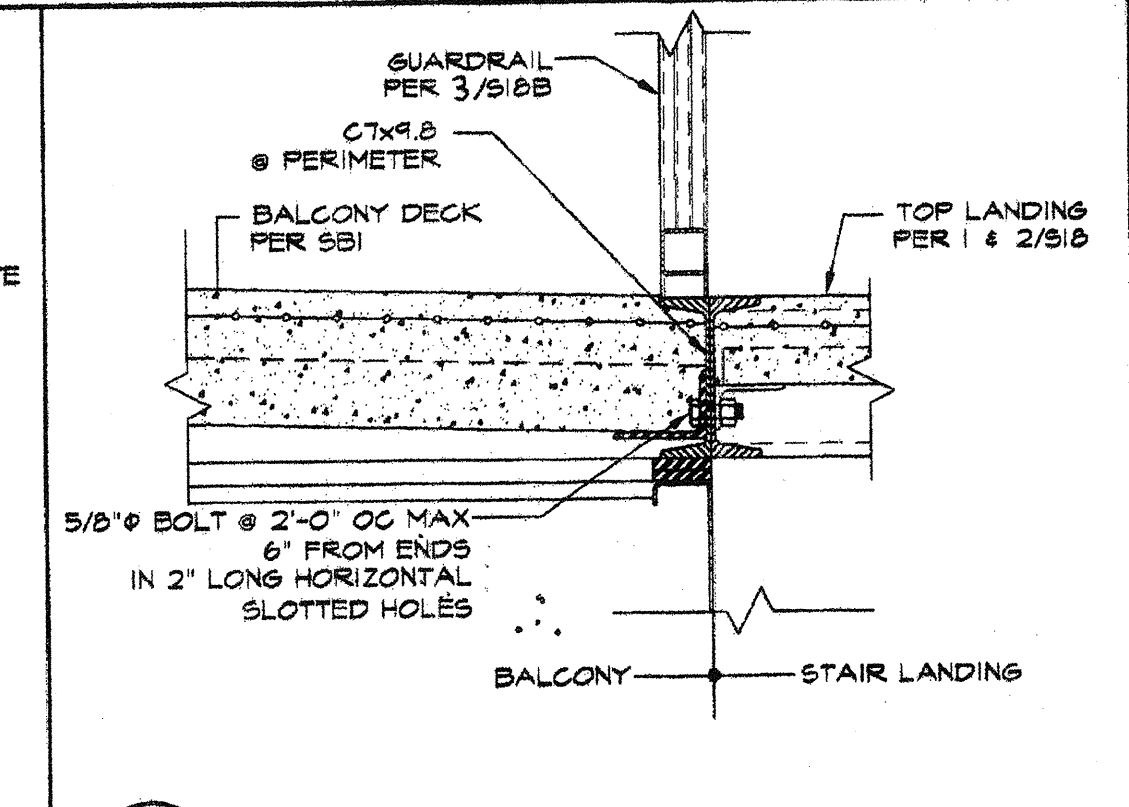
2 STAIR ELEVATION
S18A 3/8"=1'-0"



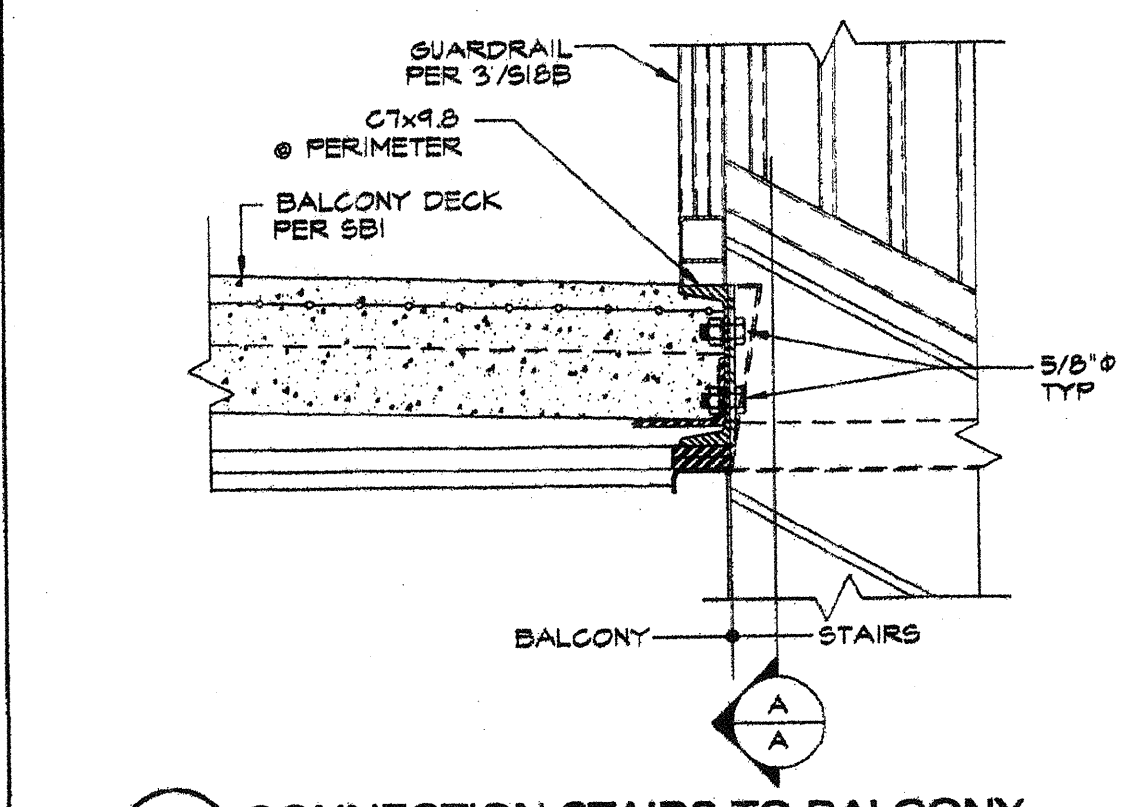
3 LANDING FLOOR WELDING DETAIL
S18A 3"=1'-0"



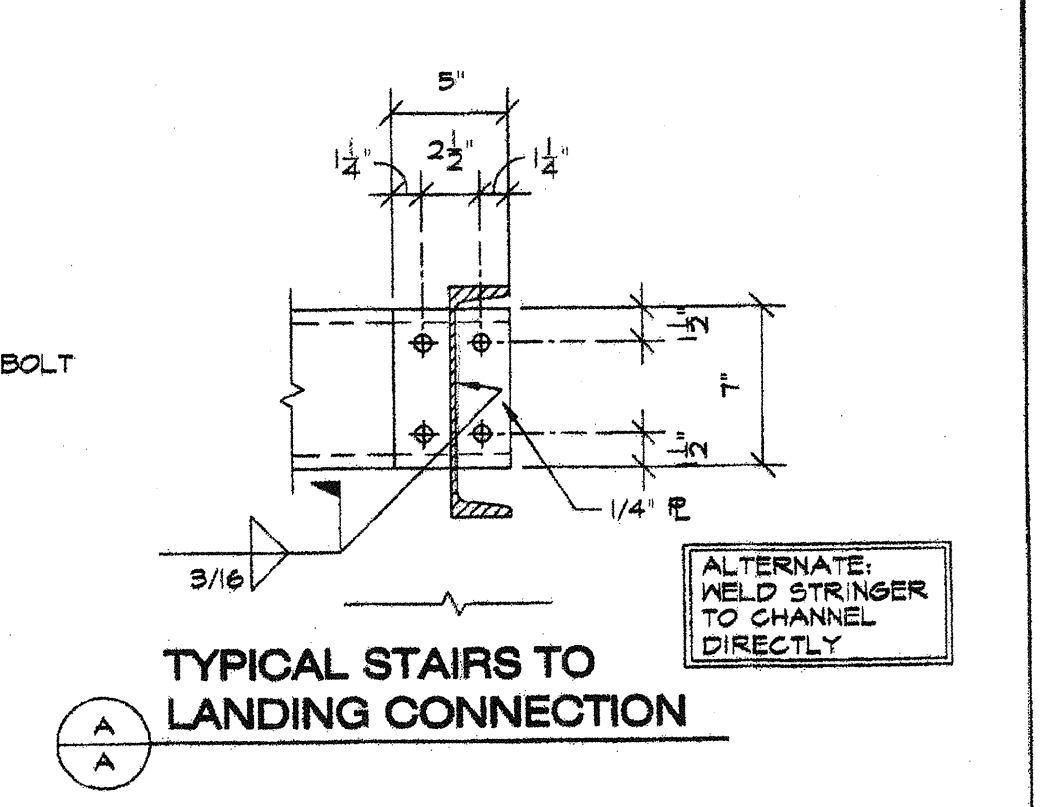
4 RAILING ATTACHEMENT DETAIL
S18A 2"=1'-0"



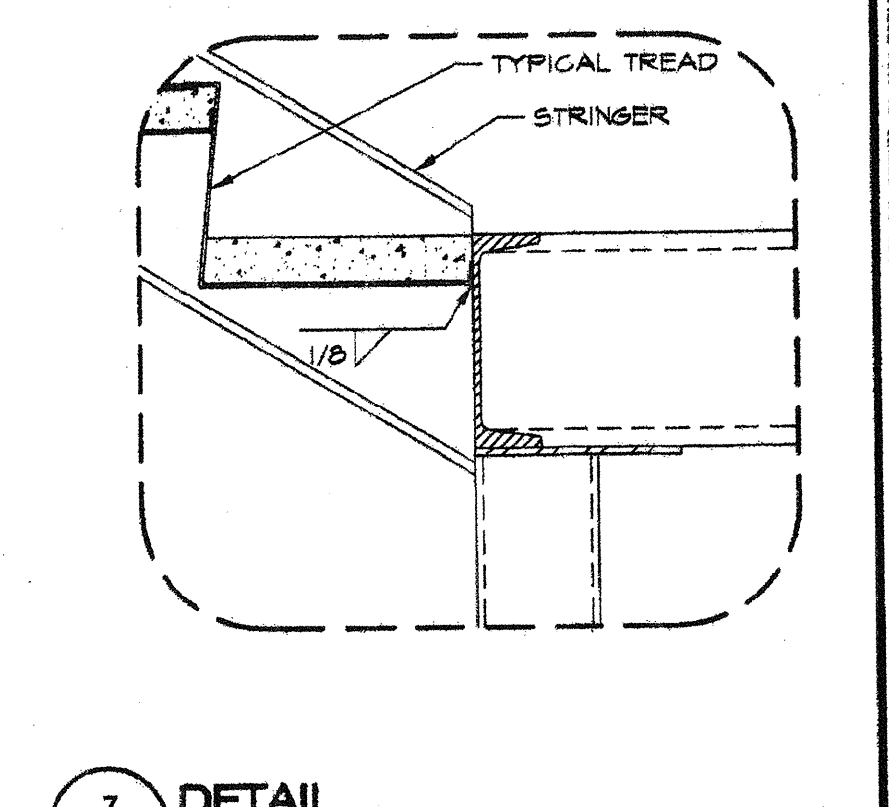
5 CONNECTION STAIRS TO BALCONY
S18A 1 1/2"=1'-0"



6 CONNECTION STAIRS TO BALCONY
S18A 1 1/2"=1'-0"



7 TYPICAL STAIRS TO LANDING CONNECTION
S18A 1 1/2"=1'-0"



7 DETAIL
S18A 1 1/2"=1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 10-29-09
SCALE: NOTED
DRAWN BY: PL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
ALTERNATE STAIR PLAN CONFIGURATION

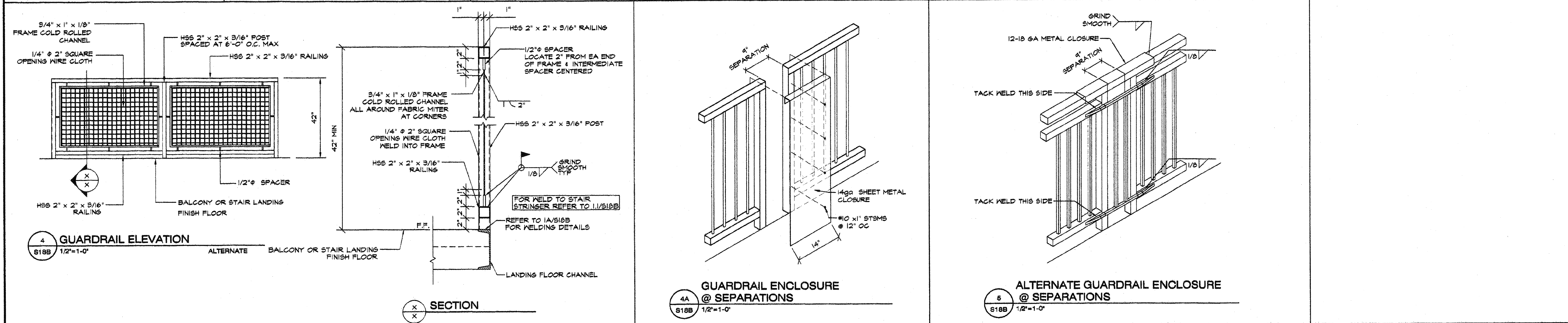
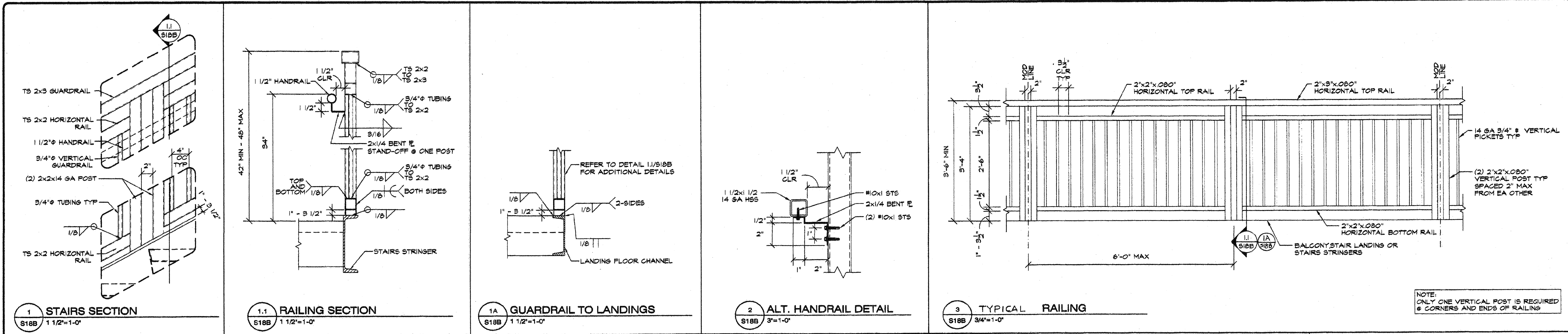


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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROX 113828
AC FLS JUL 08 2011
DATE NOV 17 2009

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-110618
DATE NOV 17 2009
PROJECT No. PC
S18A

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REVISIONS		
NO	DATE	DESCRIPTION
1		S18A

DATE: 10-28-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
RAILING DETAILS



APPROVALS:
Professional Engineer Seal for Kenneth A. Latham, No. 23541, State of California.

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APPROX 113828
AC FLS SS
DATE JUL 08 2011

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-110618
AC FLS SS
DATE NOV 17 2009

PROJECT No.
PC
S18B

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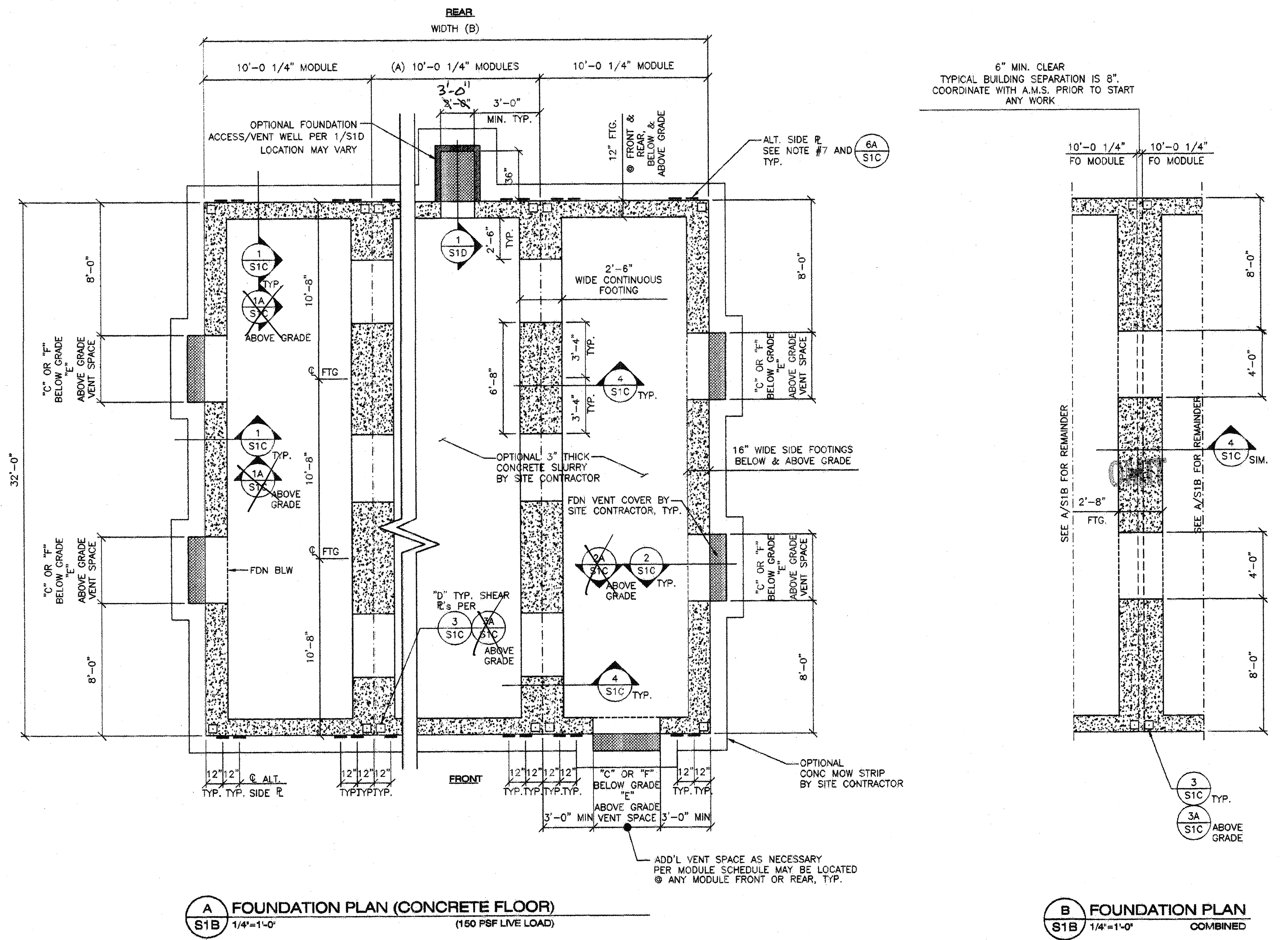
NOTES

- DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
- ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI MIN. PROPORTIONED PER TITLE 24, PART 2, SECTION 1905A.3 OR 1905A.4
- THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1916A.2. IF CONCRETE WITH A COMPRESSIVE STRENGTH OF 3500 PSI IS SPECIFIED THEN THE TESTING OF THE REINFORCING BARS MAY BE WAIVED PER SECTION 1916A.4. THE CEMENT SHALL BE CERTIFIED PER SECTION 1916A.1
- REINFORCING STEEL 40,000 PSI MINIMUM, PER ASTM A615
- MINIMUM SOIL BEARING CAPACITY 1500 PSF.
- DESIGN SOIL BEARING CAPACITY 1500 PSF.
- ALTERNATE SIDE PLATES MUST COMPLETELY REPLACE TYPICAL SHEAR PLATES ALONG ANY ONE MODULE LINE (8 ALTERNATE SIDE PLATES @ INTERIOR MODULE LINE AND 4 ALTERNATE SIDE PLATES @ EXTERIOR MODULE LINE.) COMBINATION OF TYPICAL SHEAR PLATES AND ALTERNATE SIDE PLATES ALONG ANY ONE MODULE LINE IS NOT PERMITTED.

MODULE SCHEDULE

BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH	TOTAL FLOOR AREA (FT ²)	VENT AREA REQ'D (FT ²)	"C" MIN. TOTAL # 4"x12" VENTS REQ'D		"D" MIN. TOTAL # 4"x6" VENTS REQ'D		"E" MIN. TOTAL # 4"x12" POLY VENTS REQ'D		"D" TOTAL # OF TYPICAL SHEAR PLATES
						BELOW GRADE	ABOVE GRADE	BELOW GRADE	ABOVE GRADE	BELOW GRADE	ABOVE GRADE	
30x32	3	1	30'-3 1/4"	960	6.4	3	8.25	5	7.5	3	6.75	12
40x32	4	2	40'-1"	1280	8.5	4	11.0	6	9.0	4	9	16
50x32	5	3	50'-1 1/2"	1600	10.7	4	11.0	8	12.0	5	11.25	20
60x32	6	4	60'-1 1/2"	1920	12.8	5	13.75	9	13.5	6	13.5	24
70x32	7	5	70'-1 3/4"	2240	14.9	6	16.5	11	16.5	7	16.75	28
80x32	8	6	80'-2"	2560	17.1	7	19.25	12	18.0	8	18	32
90x32	9	7	90'-2 1/4"	2880	19.2	7	19.25	13	19.5	9	20.25	36
100x32	10	8	100'-2 1/2"	3200	21.3	8	22	15	22.5	10	22.5	40
110x32	11	9	110'-2 3/4"	3520	23.3	9	24.75	16	24.0	11	24.75	44
120x32	12	10	120'-3"	3840	25.6	10	27.5	18	27.0	12	27	48
130x32	13	11	130'-3 1/4"	4160	27.7	11	30.25	19	28.8	13	29.25	52
140x32	14	12	140'-3 1/2"	4480	29.9	11	30.25	20	30.0	14	31.5	56
150x32	15	13	150'-3 3/4"	4800	32	12	33.0	22	33.0	15	33.75	60

THE DESIGN OF FLOOR DRAIN UNDER BUILDING SHALL BE PROVIDED BY THE PROJECT ARCHITECT.
 (1) THE ACTUAL AIR PROVIDED THROUGH THE VENT IS 2.75 SQ. FT.
 (2) THE ACTUAL AIR PROVIDED THROUGH THE VENT IS 1.5 SQ. FT.
 (3) THE ACTUAL AIR PROVIDED THROUGH POLYVENT IS 2.25 SQ. FT.

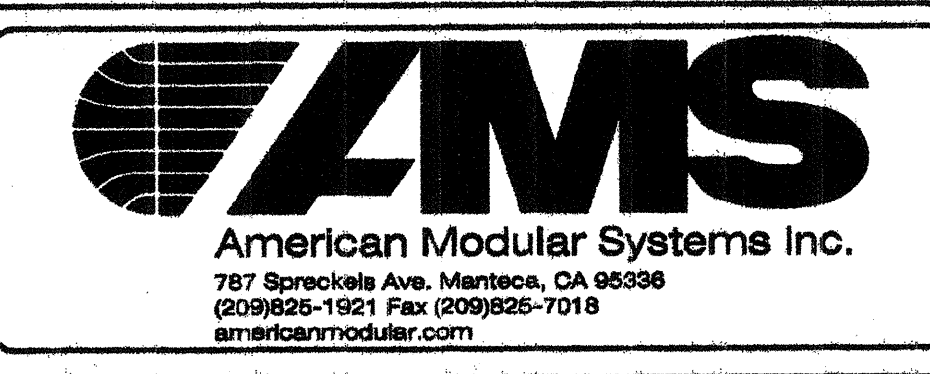


REVISIONS

NO.	DATE	DESCRIPTION

DATE: 11-01-09
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
 150 P.S.F. LIVE LOAD CONCRETE FOUNDATION PLAN
 (CONCRETE FLOOR)



APPROVALS:

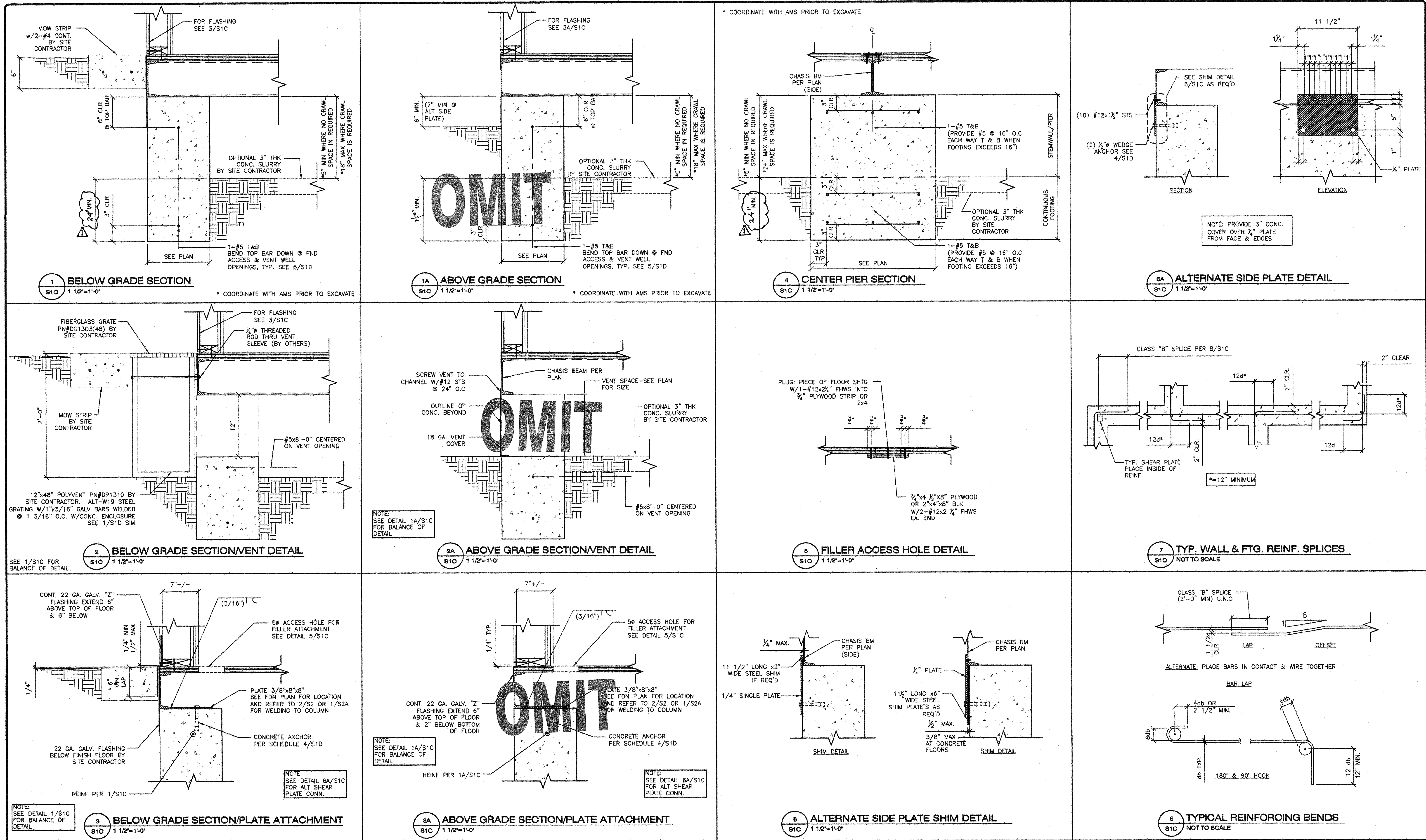
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Kenneth A. Luttrell
 No. 418
 Exp. 3-31-11
 Professional Engineer

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 APP# 113828
 AC: FLS SS ED
 DATE: JUL 08 2011

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 DIV. OF THE STATE ARCHITECT
 PC 02-110984
 AC: FLS SS
 DATE: 12/9/09

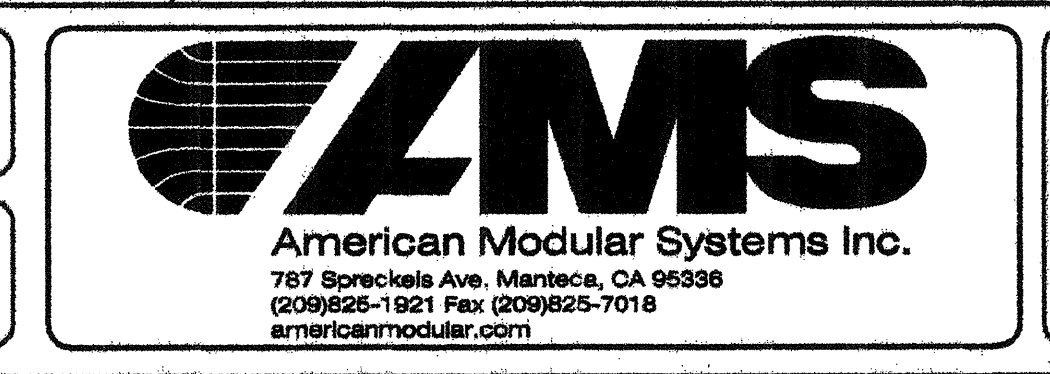
PROJECT No.
S1B



REVISIONS		
NO.	DATE	DESCRIPTION
1	06/06/11	KEPDEL D.S.A S.S.

DATE: 11-01-09
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
 CONCRETE FOOTING DETAILS



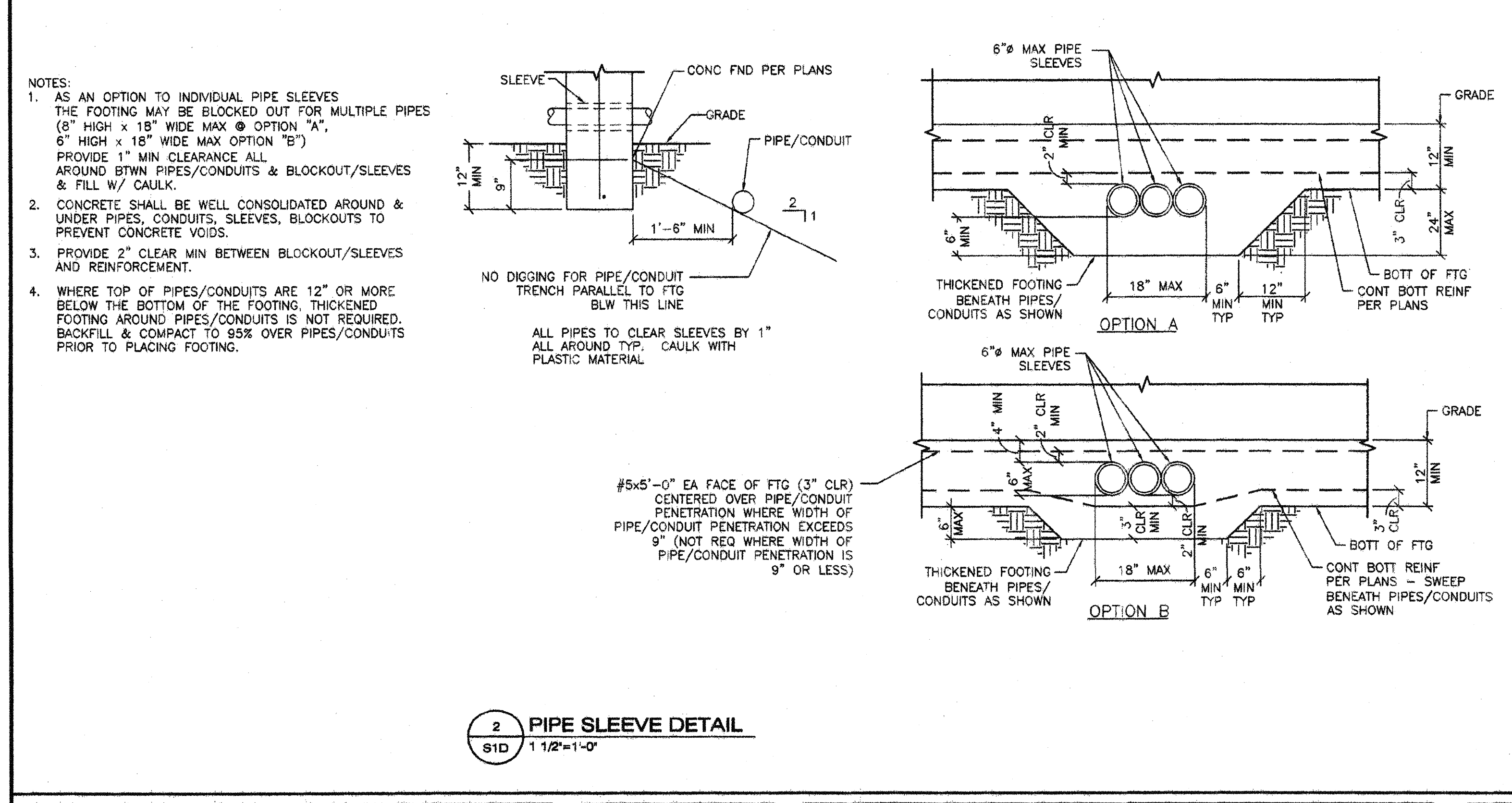
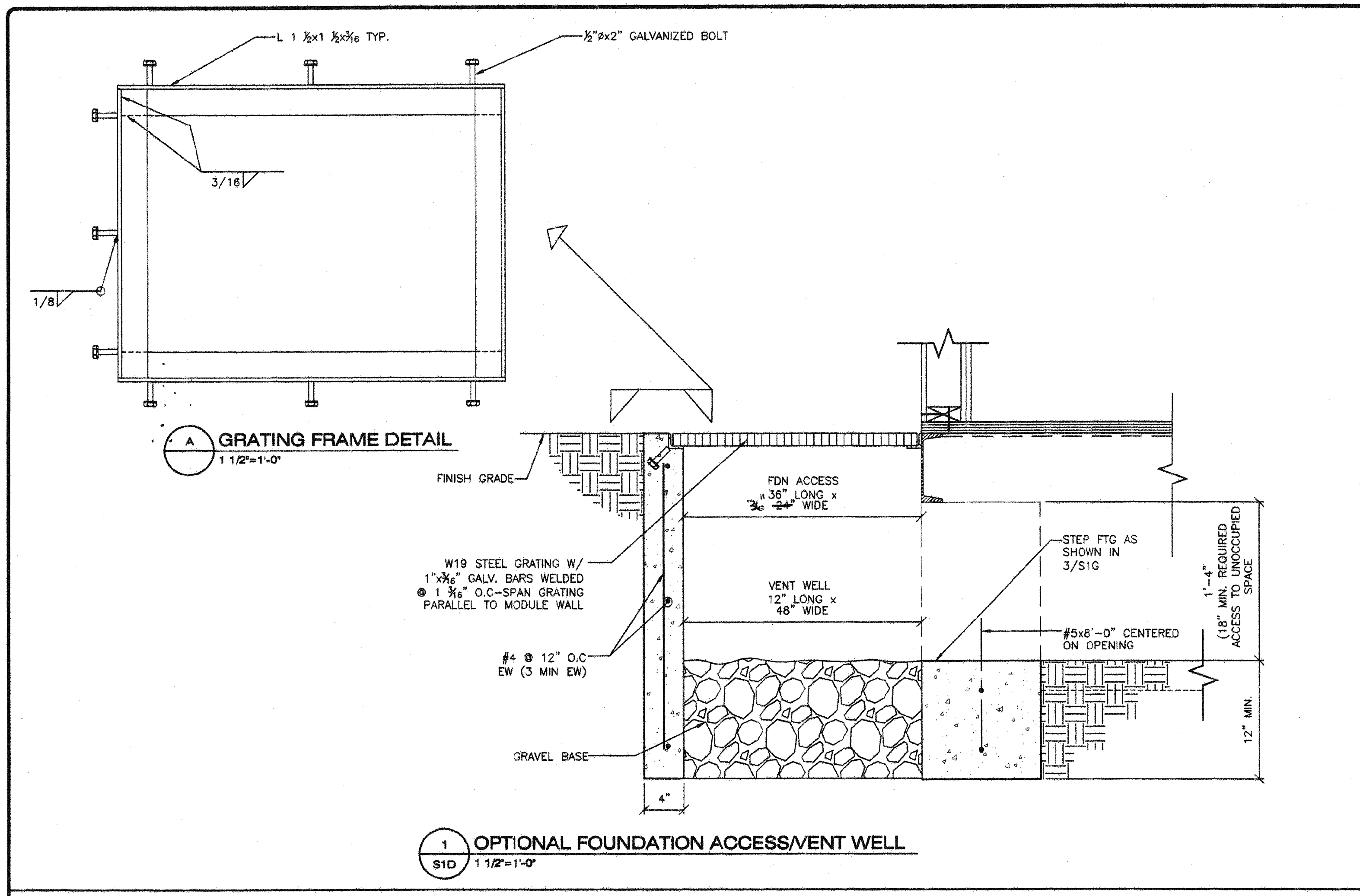
APPROVALS:
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 Kenneth A. Luttrell
 No. 418
 Exp. 2-28-11
 Structural Engineer
 State of California

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 DIV. OF THE STATE ARCHITECT
 APP03 I 1 3 8 2 8
 AC FLS SS 4/1
 DATE JUL 11 2011

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 DIV. OF THE STATE ARCHITECT
 PC 02-110964
 AC FLS SS 4/1
 DATE 12/9/09

PROJECT No.
S1C

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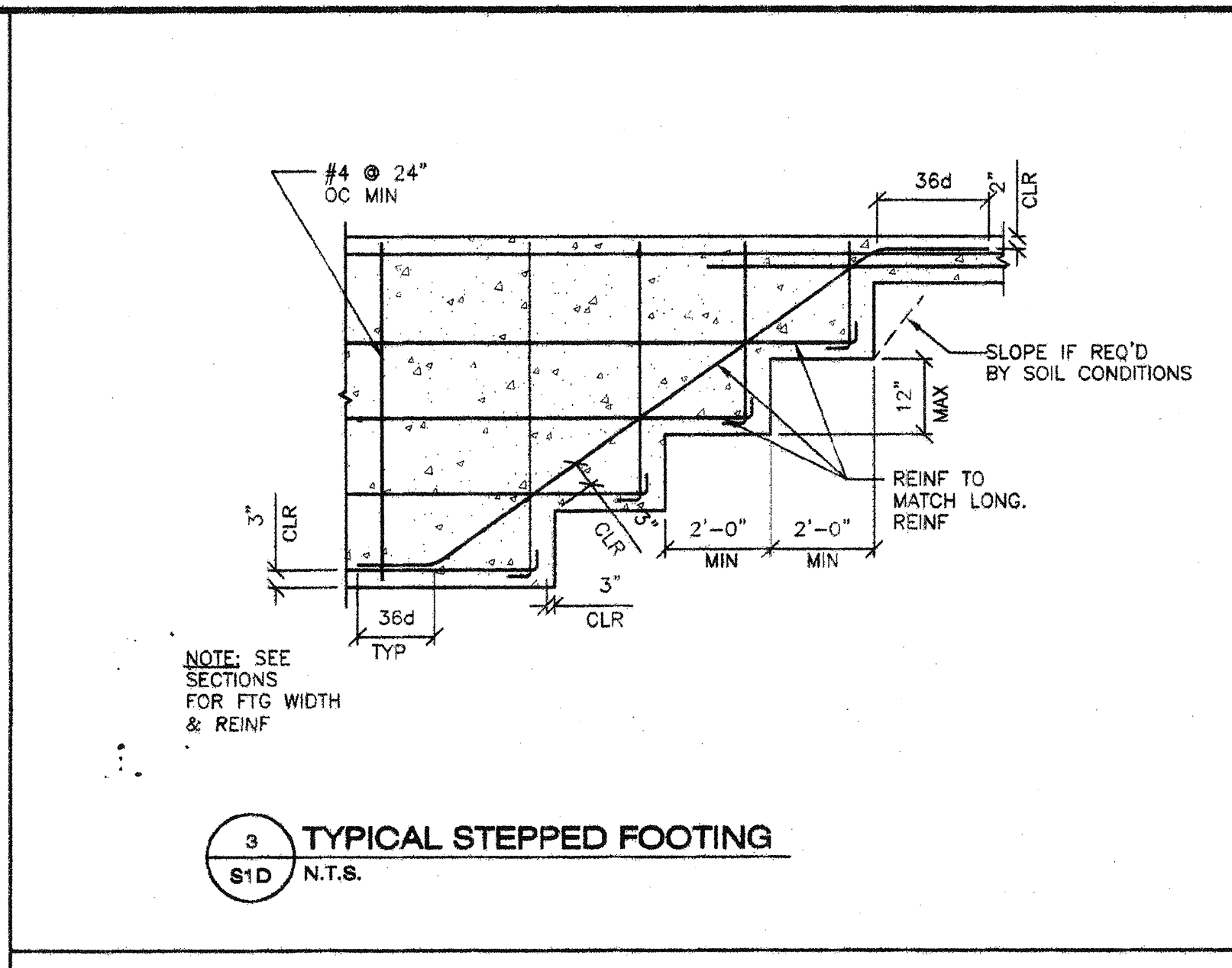


REVISIONS

NO.	DATE	DESCRIPTION

DATE: 11-01-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
CONCRETE FOOTING DETAILS

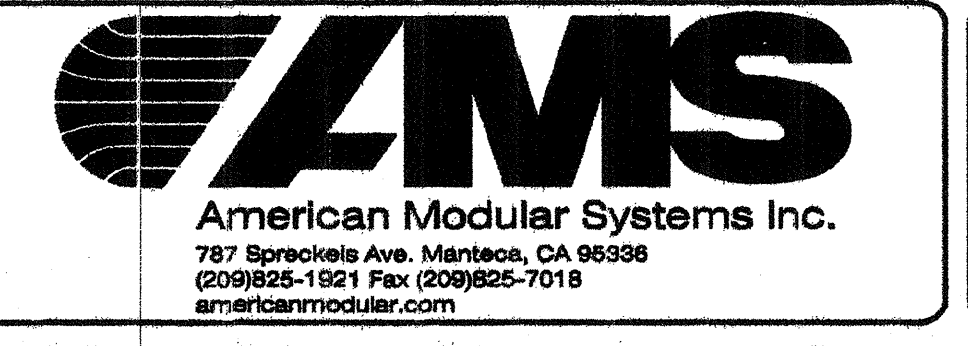
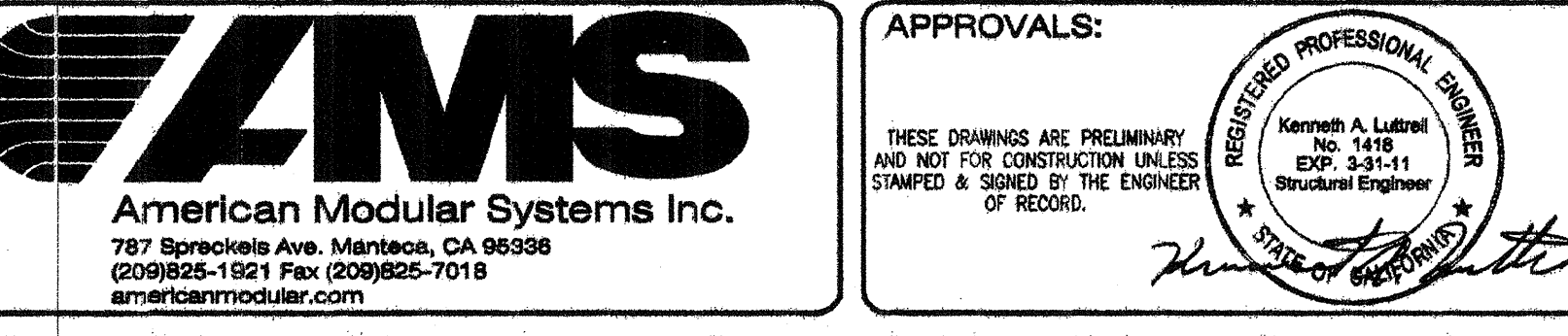
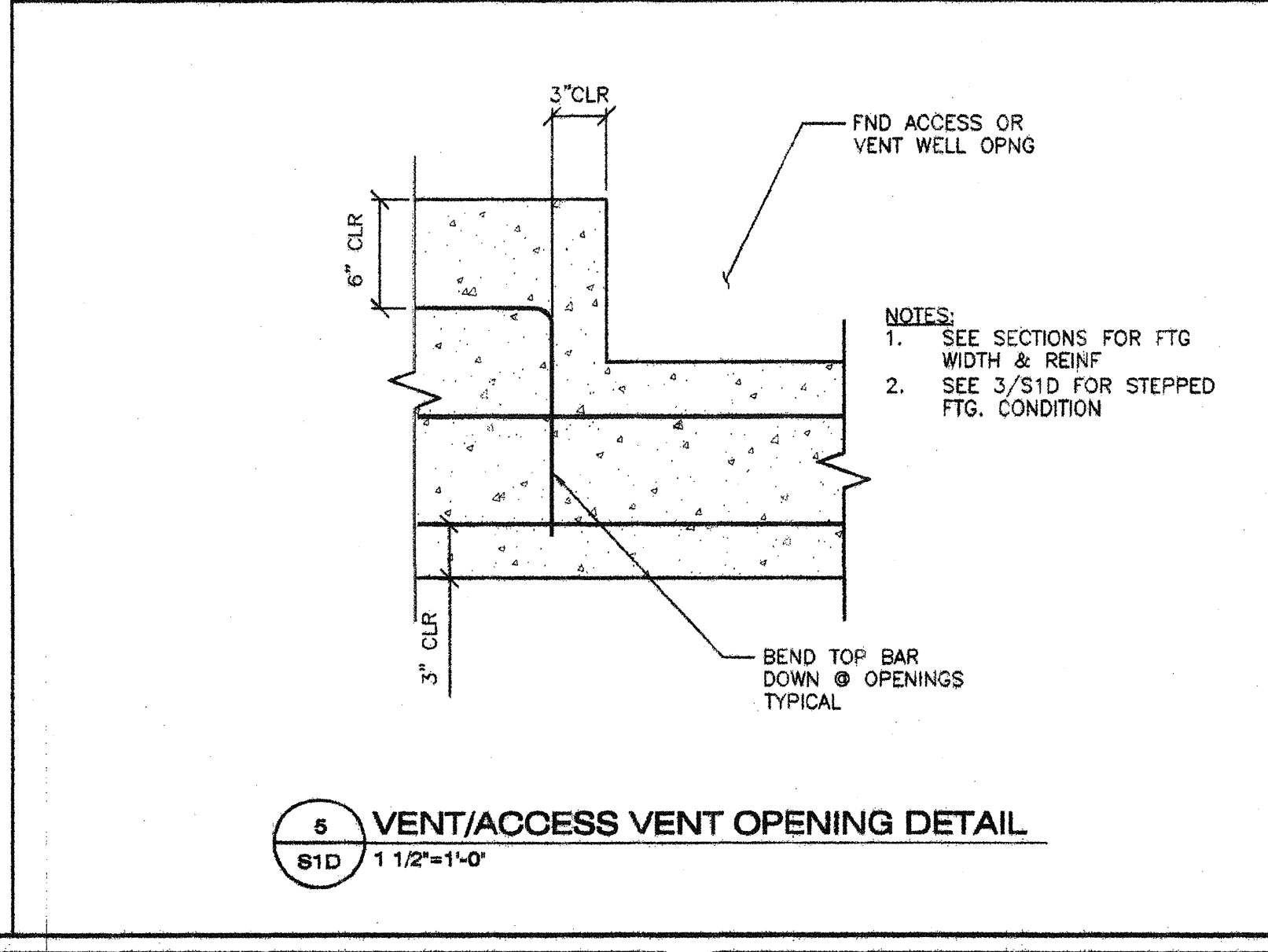


CONCRETE ANCHOR SCHEDULE

FLOOR LOAD	SUBFLOOR	ANCHOR SIZE
50 + 15	PLYWOOD/FORTACRETE	1/2"Ø
150	PLYWOOD/FORTACRETE	1/2"Ø
150	CONCRETE	3/4"Ø

ANCHOR TYPE	HILTI KWIK KB-TZ ICC ESR-1917			SIMPSON STRONG-BOLT ICC ESR-1771		
	1/2"Ø	5/8"Ø	3/4"Ø	1/2"Ø	5/8"Ø	3/4"Ø
MIN EMBED (IN)	4"	4 3/4"	5 3/4"	3 7/8"	5 1/8"	5 3/4"
TENSION TEST LBS (SINGLE BOLT)	512#	8492#	8318#	3826#	6732#	5719#
TENSION TEST LBS (DOUBLE BOLT)	512#	6174#	5889#	3826#	5102#	4079#
INSTALLATION TORQUE (FT-LB)	40	60	110	50	85	180

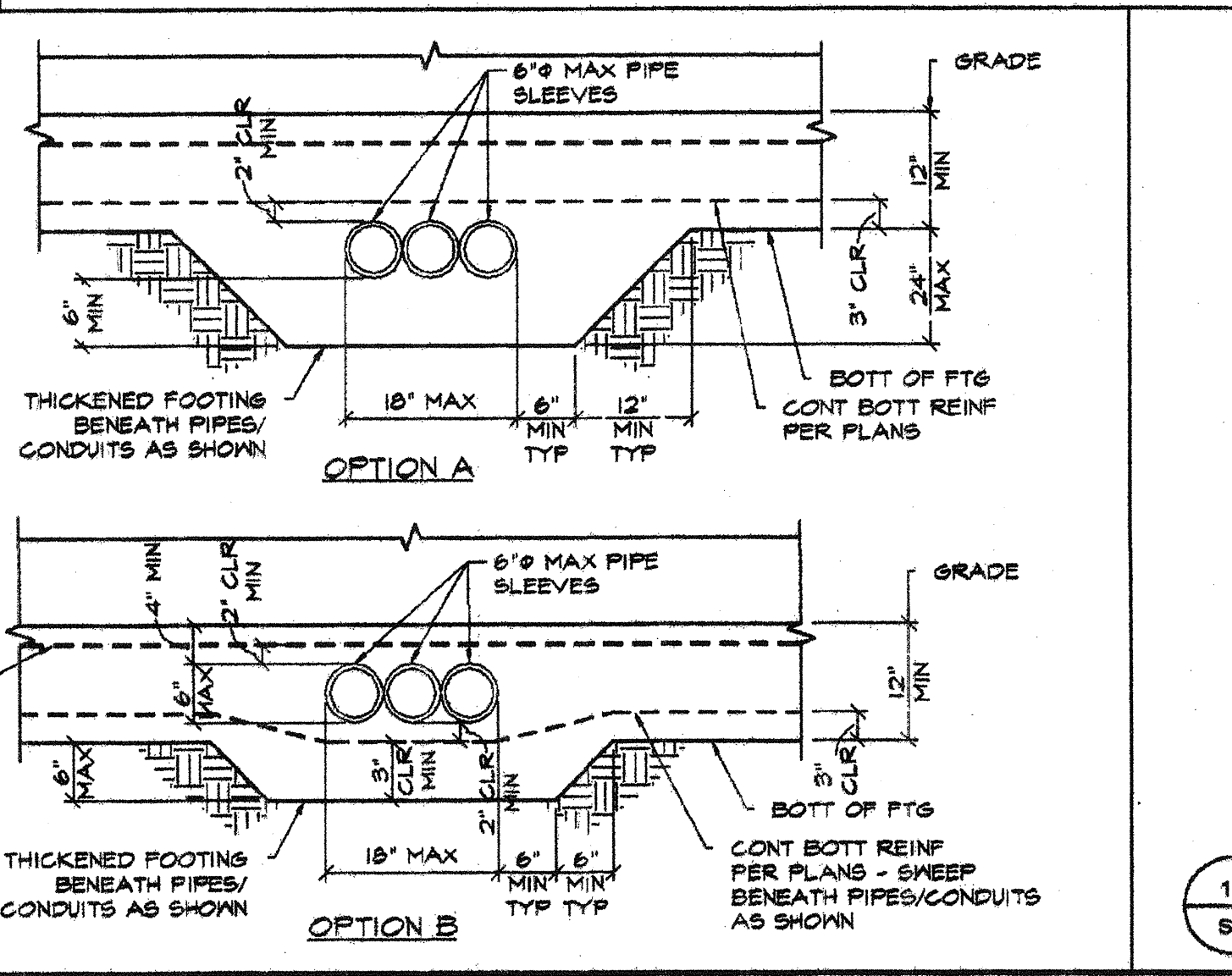
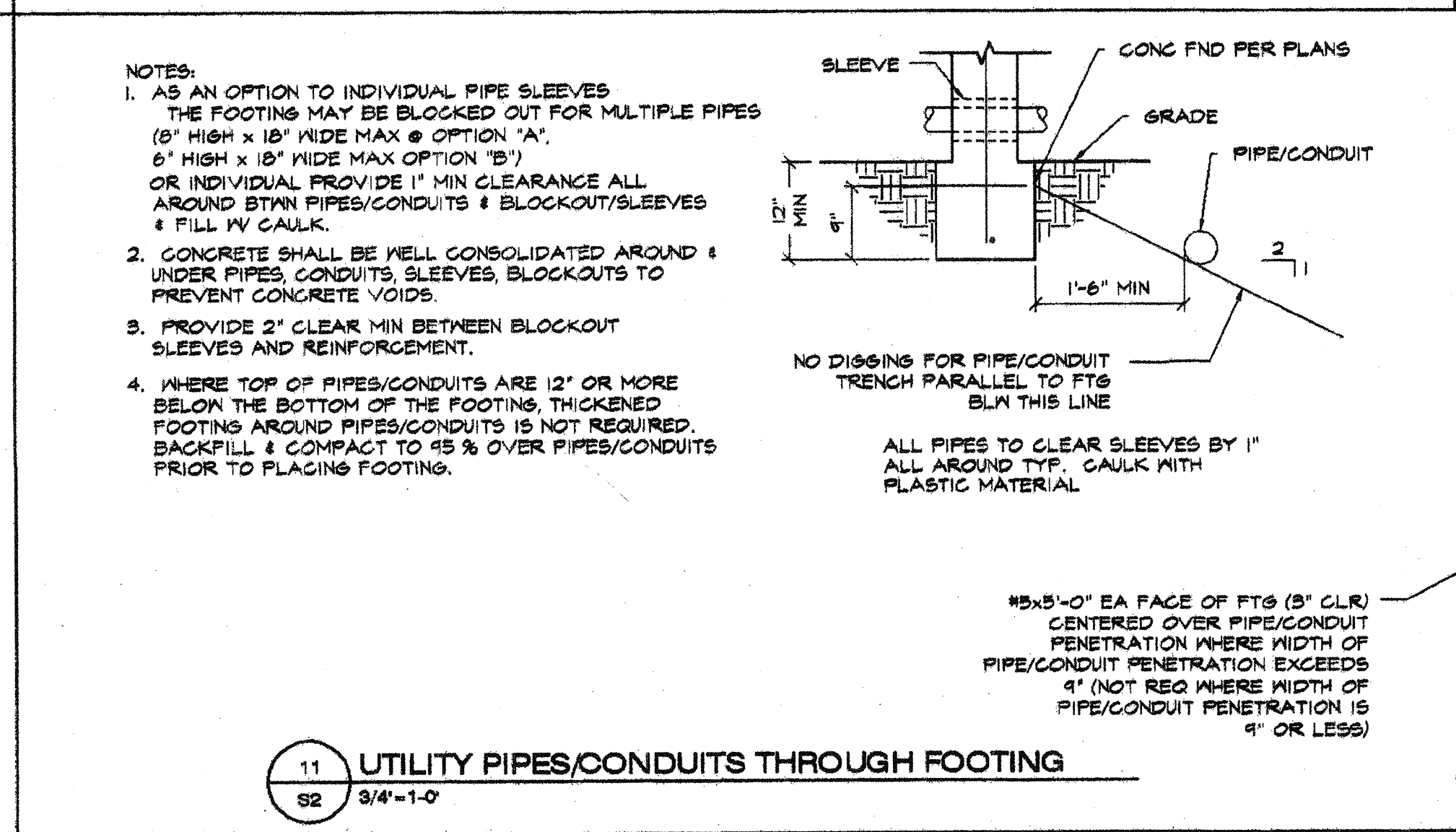
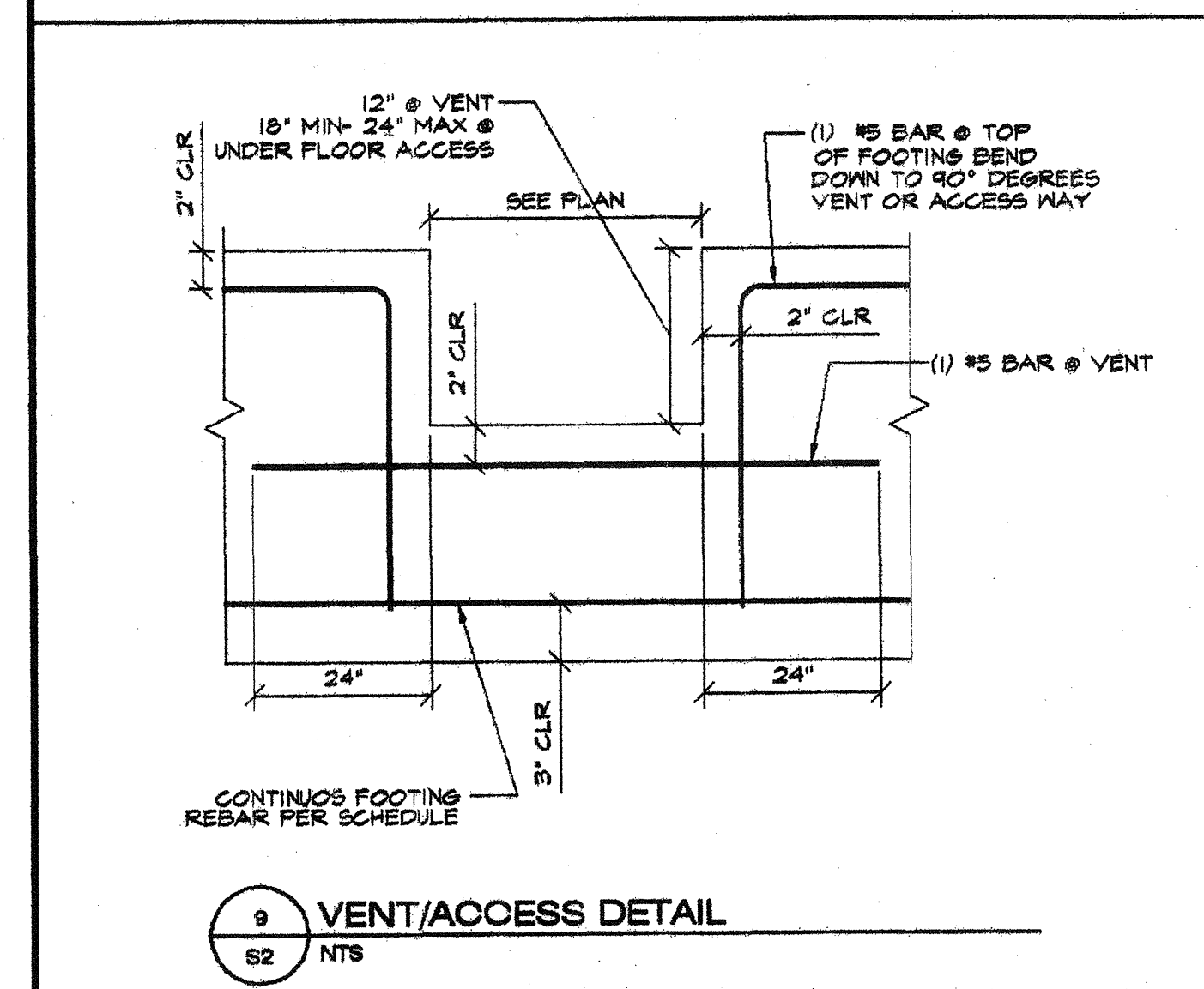
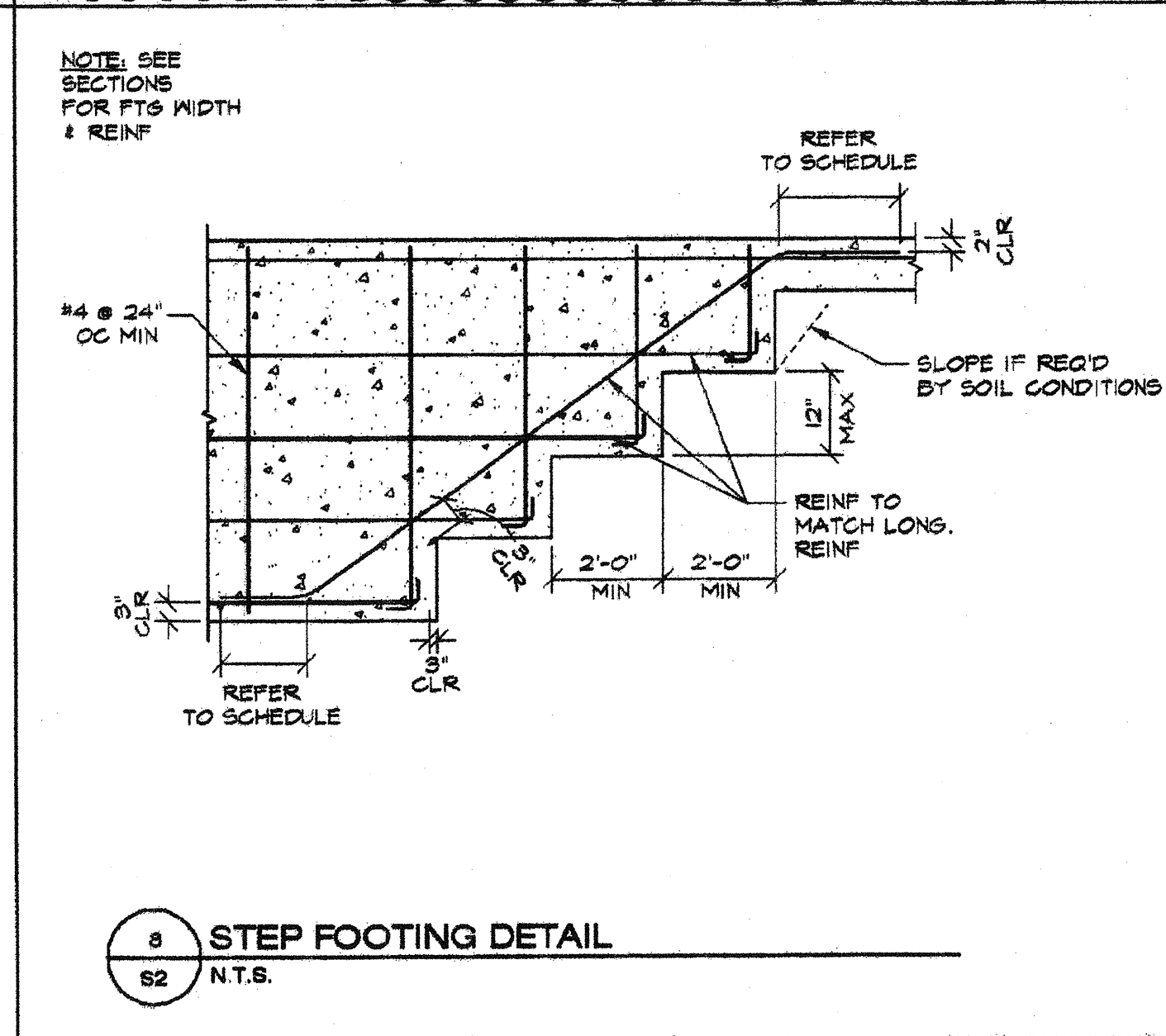
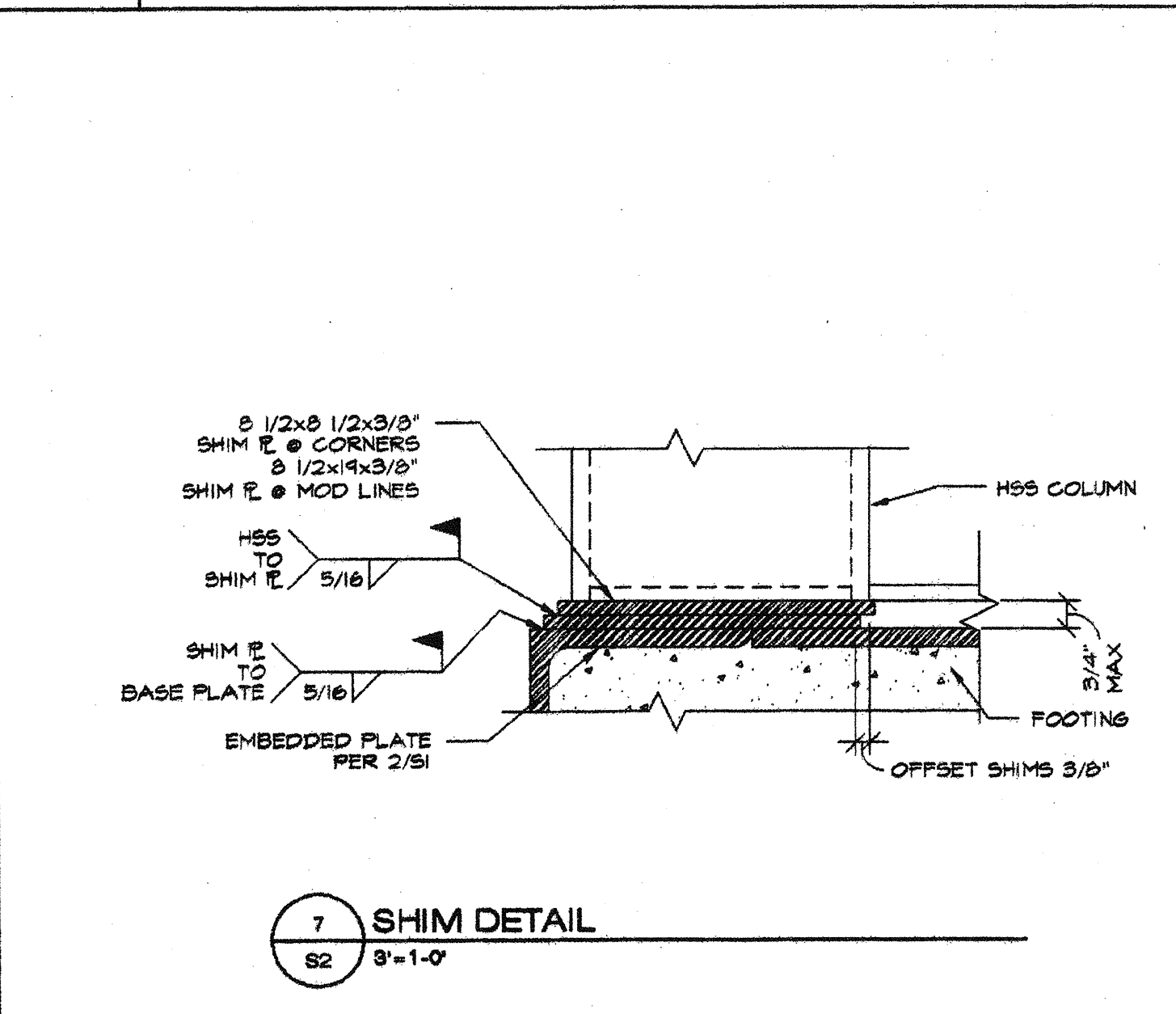
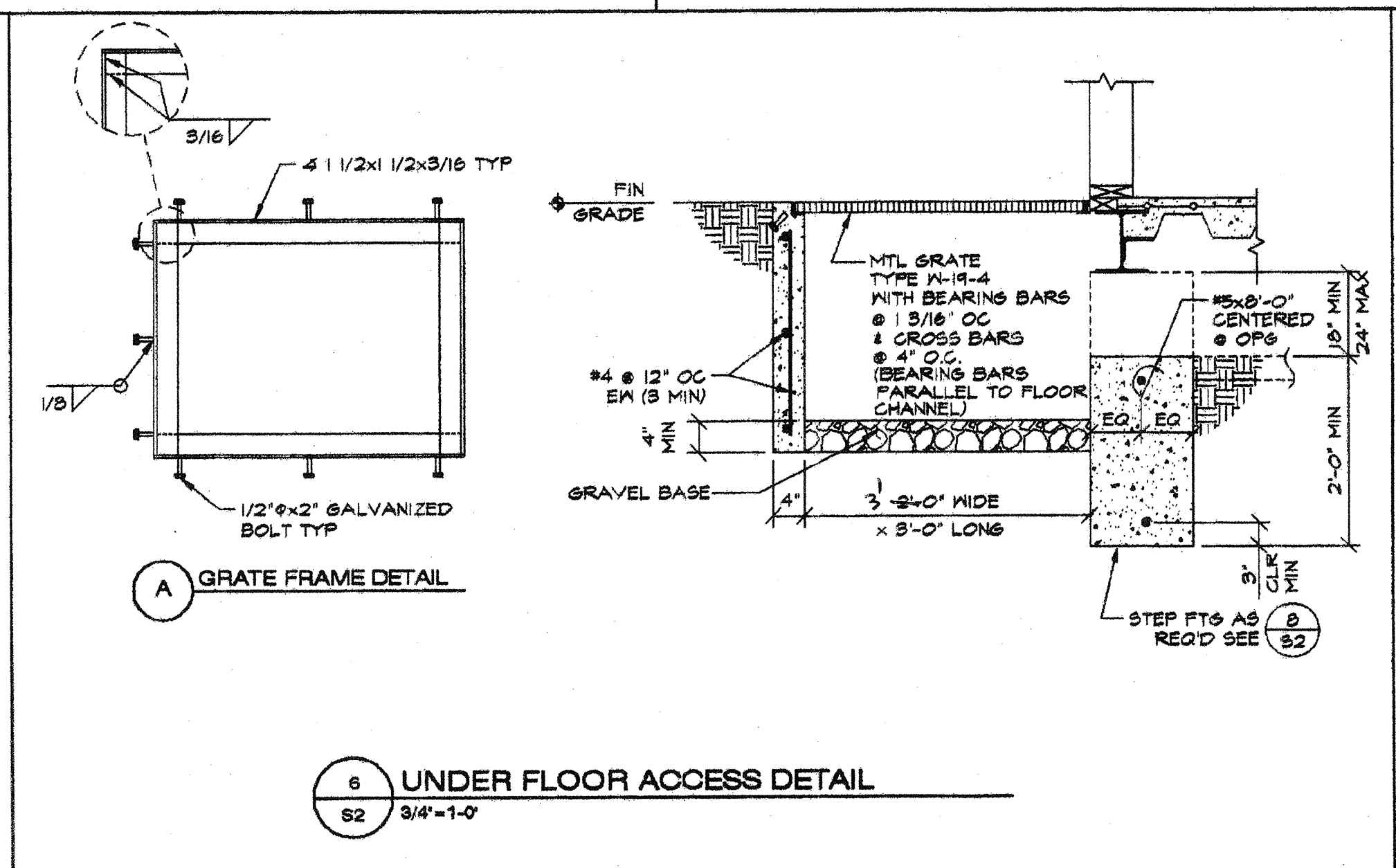
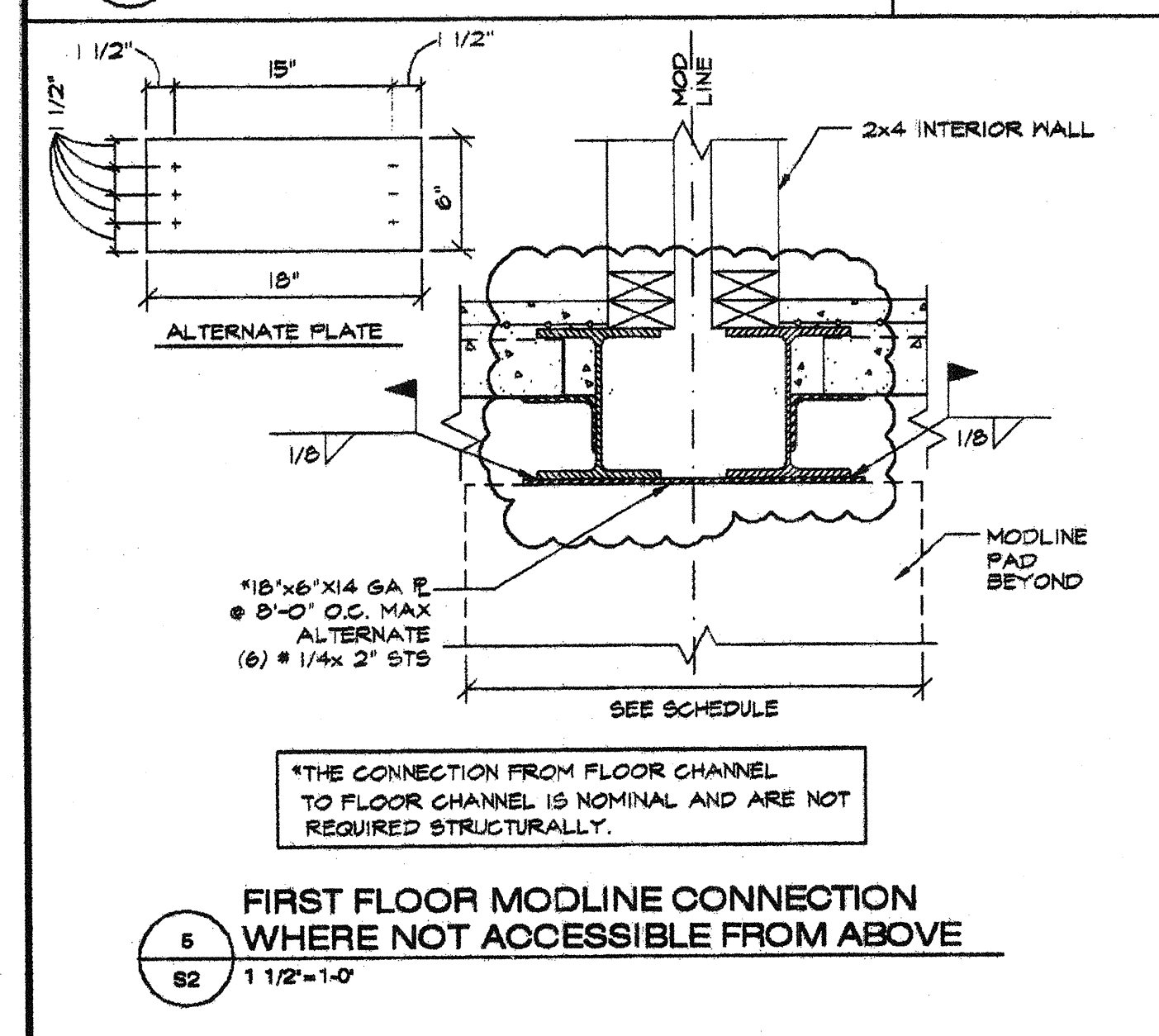
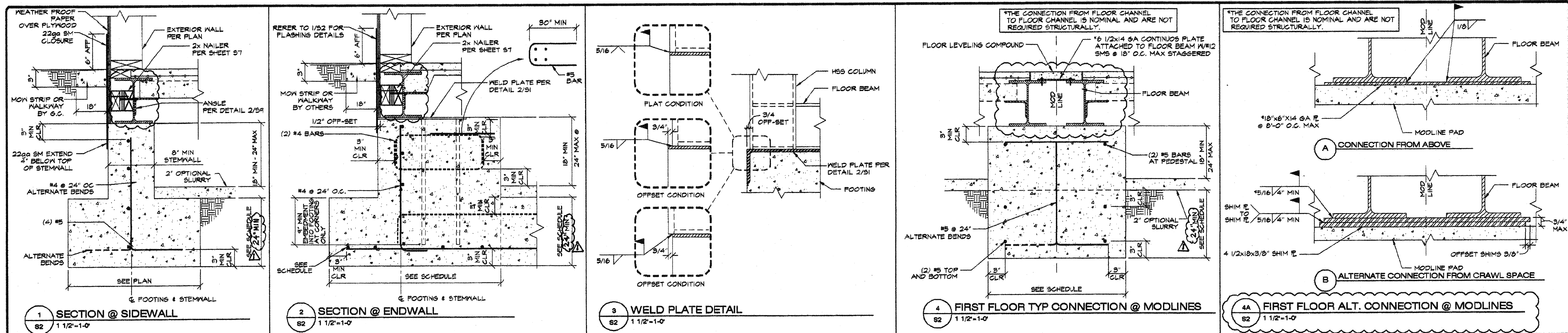
- TENSION TEST - 2 x ALLOWABLE TENSION LOAD PER DSA IR 19-1.
- NORMAL WEIGHT CONCRETE WITH f'c = 2500 PSI TO COMPLY WITH 1916A.4 FOR MATERIAL TEST WAIVER.
- MINIMUM EDGE DISTANCE REQUIRED 4 5/8"



APPROVALS:
KENNETH A. LUTHE
No. 478
Exp. 3-31-11
Professional Engineer
State of California

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPG 1 1 3 8 2 8
AC: FLS SS
DATE: JUL 0 6 2011
PC 02-110964
AC: FLS SS
DATE: 2/9/09
PROJECT NO.
S1D

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REVISIONS		
NO.	DATE	DESCRIPTION
1	06/07/11	KEPPEL, D.S.A. 3.5

DATE: 05-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
FOUNDATION DETAILS

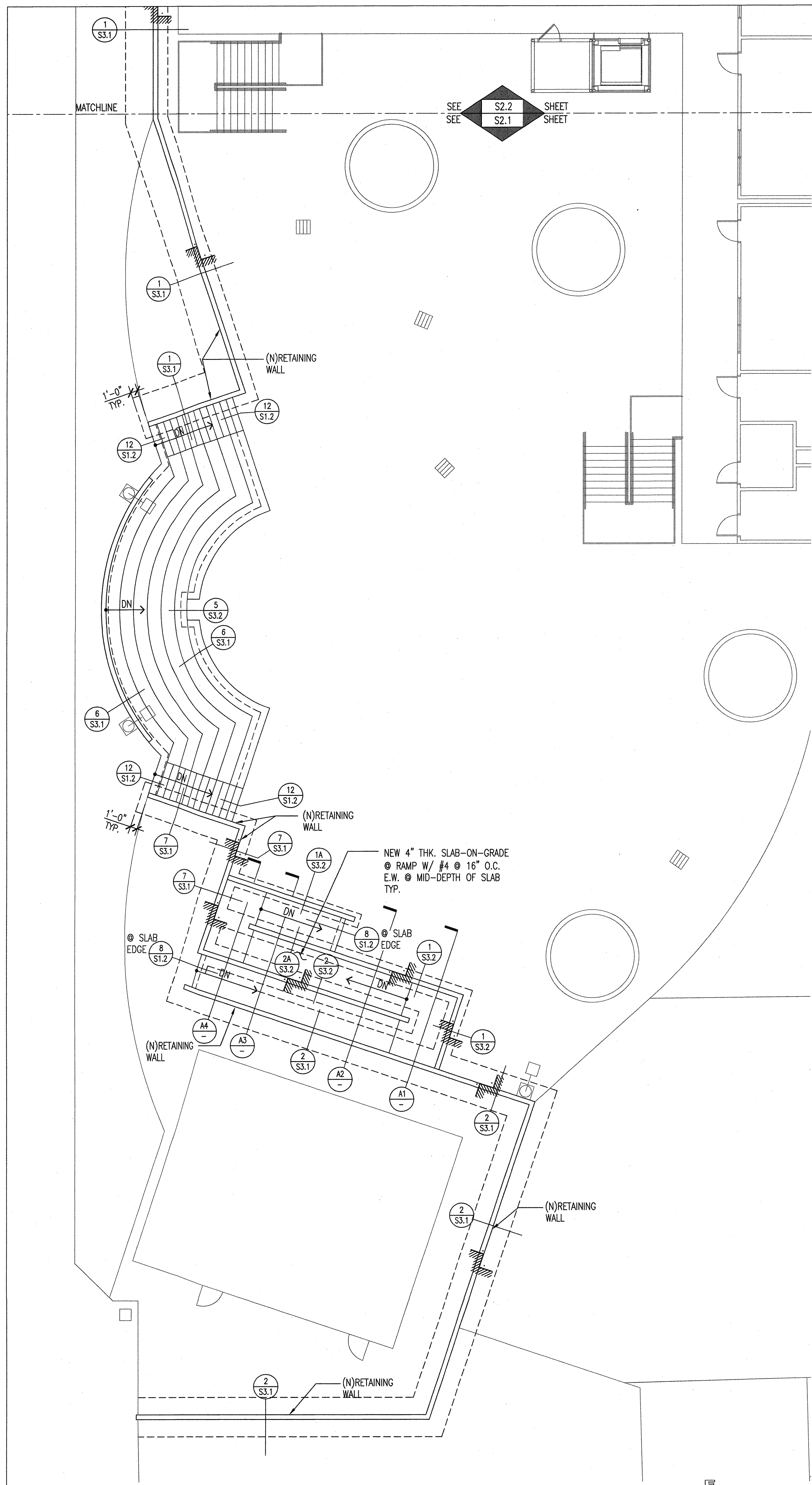


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DIV. OF THE STATE ARCHITECT
APPROX 113828
AC. PLS. SS
DATE: JUL 06 2011

PROJECT No. PC
S2

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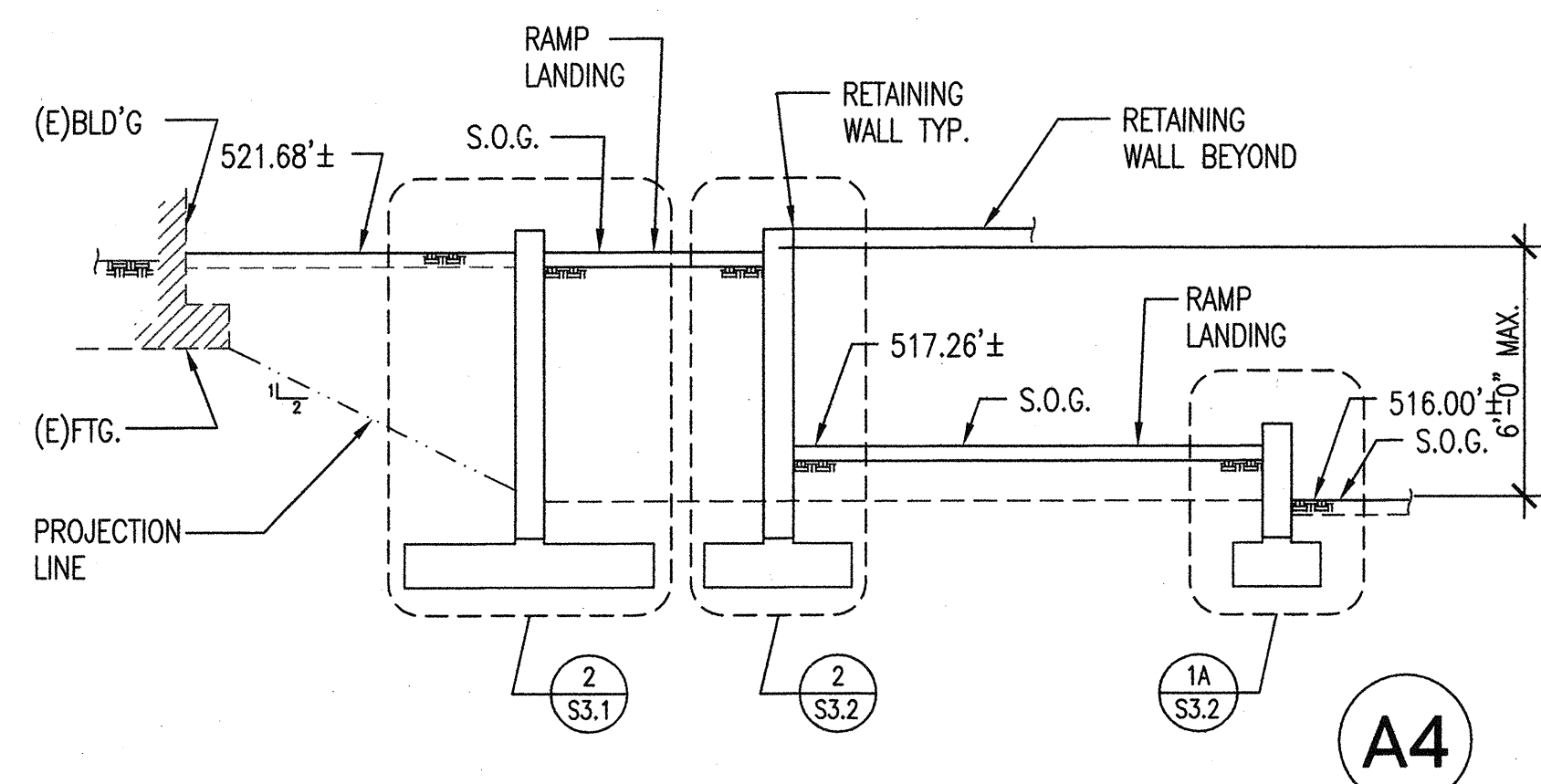


PARTIAL SITE FOUNDATION PLAN
SCALE: 1/8"=1'-0"

A

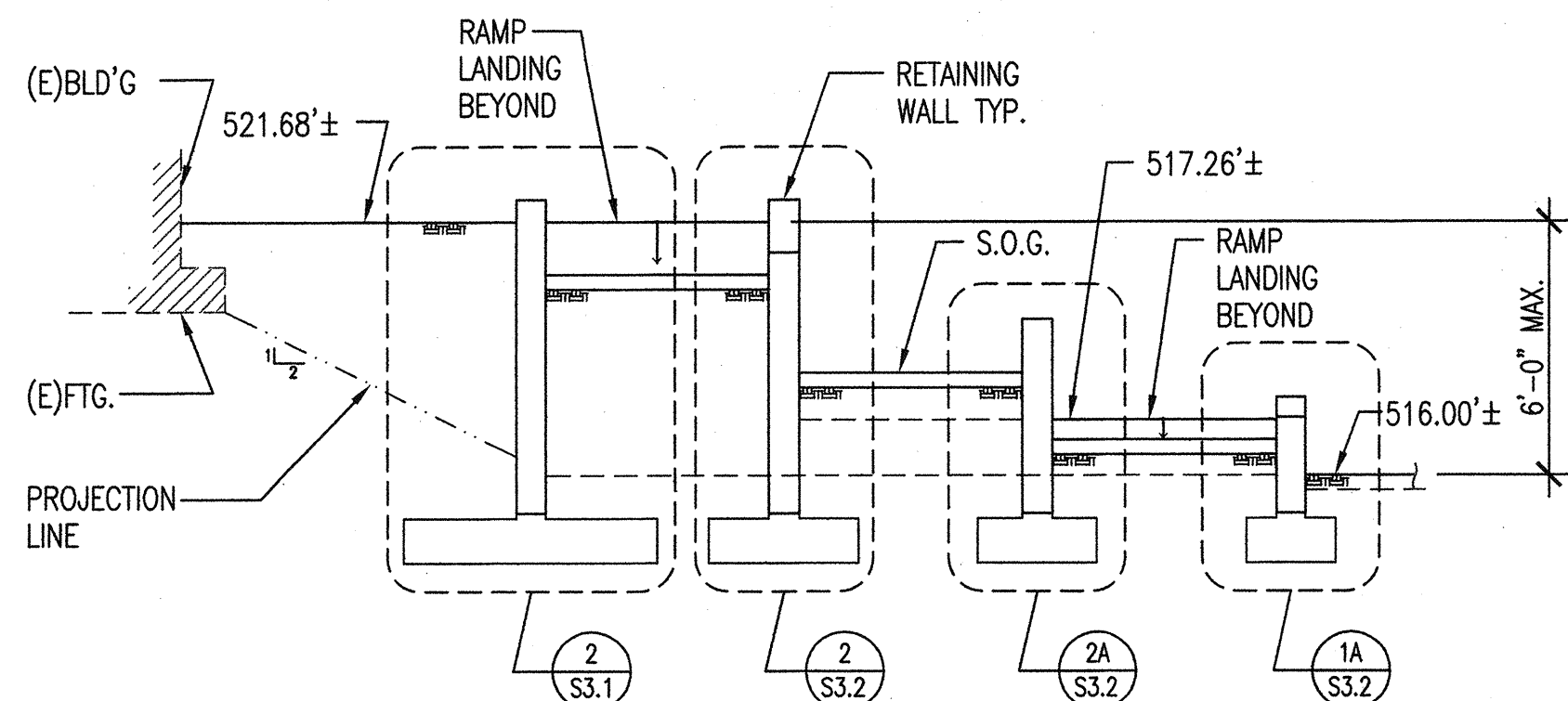
SPECIAL NOTES THIS SHEET:

1. FINISHES FLOOR ELEVATION VARIES, SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, OPENINGS AND DEPRESSIONS.
2. FOR SIZE & LOCATION OF CONCRETE CURBS & PADS, SEE ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS.
3. VERIFY ALL UNDERGROUND UTILITY TRENCHING WITH ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS.
4. FOR LIMITS OF RAMPS, WALKWAYS, PLANTER, STAIR, TOP OF WALL ELEVATIONS & WALL ENCLOSURES, SEE ARCHITECTURAL DWG.
5. FOR ALL WALL OPENINGS, SEE ARCHITECTURAL DWG.
6. FOUNDATIONS SHALL BE OF THE SIZE & TYPE AS INDICATED ON THE STRUCTURAL DWGS.
7. ALL FILLING, BACKFILLING & COMPACTION OPERATIONS SHALL BE PERFORMED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE SOIL REPORT.
8. FOOTING STEPS AS REQUIRED SHALL BE DETERMINED BY THE CONTRACTOR FOR DETAIL SEE 2/S1.2 CONTRACTOR SHALL VERIFY THE LOCATION OF STEPS AGAINST THE MIN. FOOTING EMBEDMENT BELOW THE LOWEST ADJACENT GRADE.



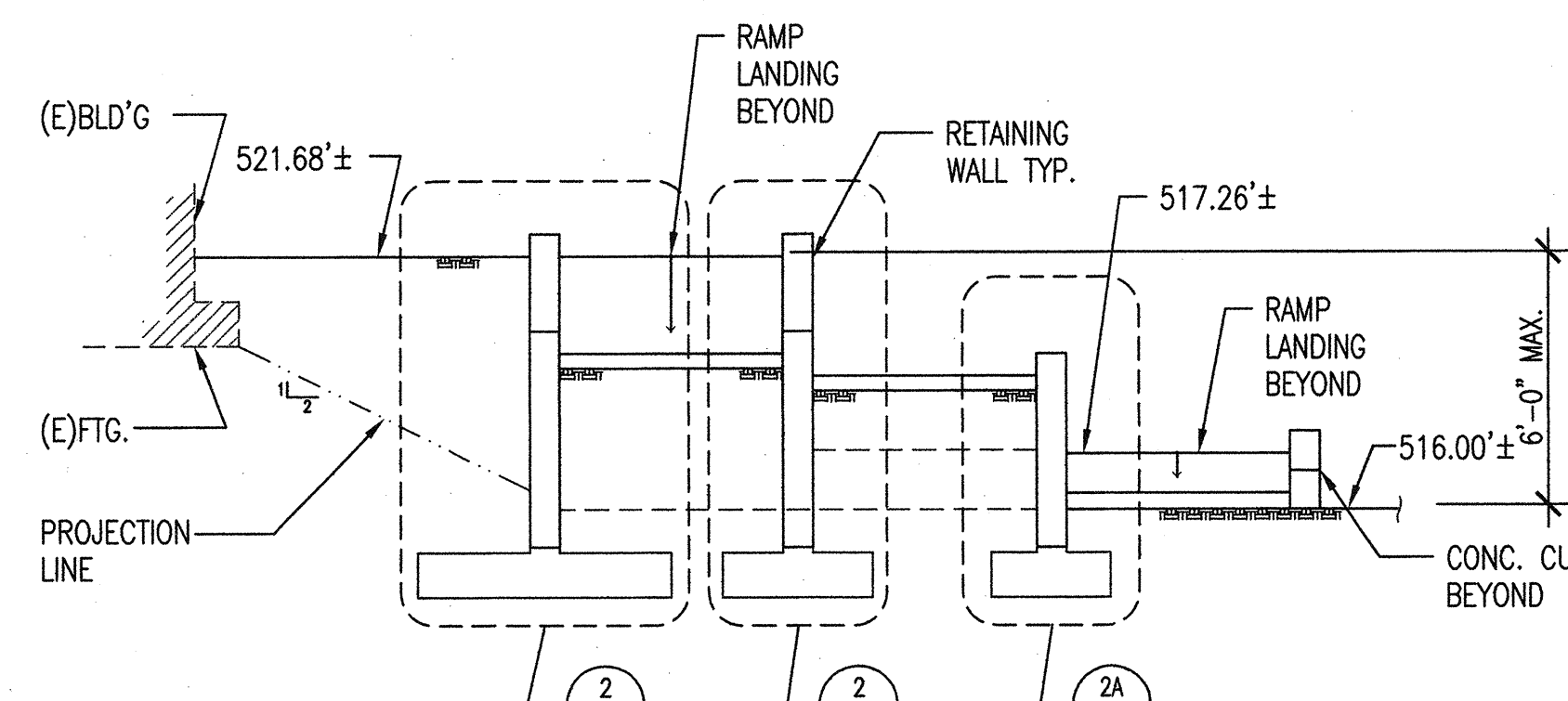
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A4



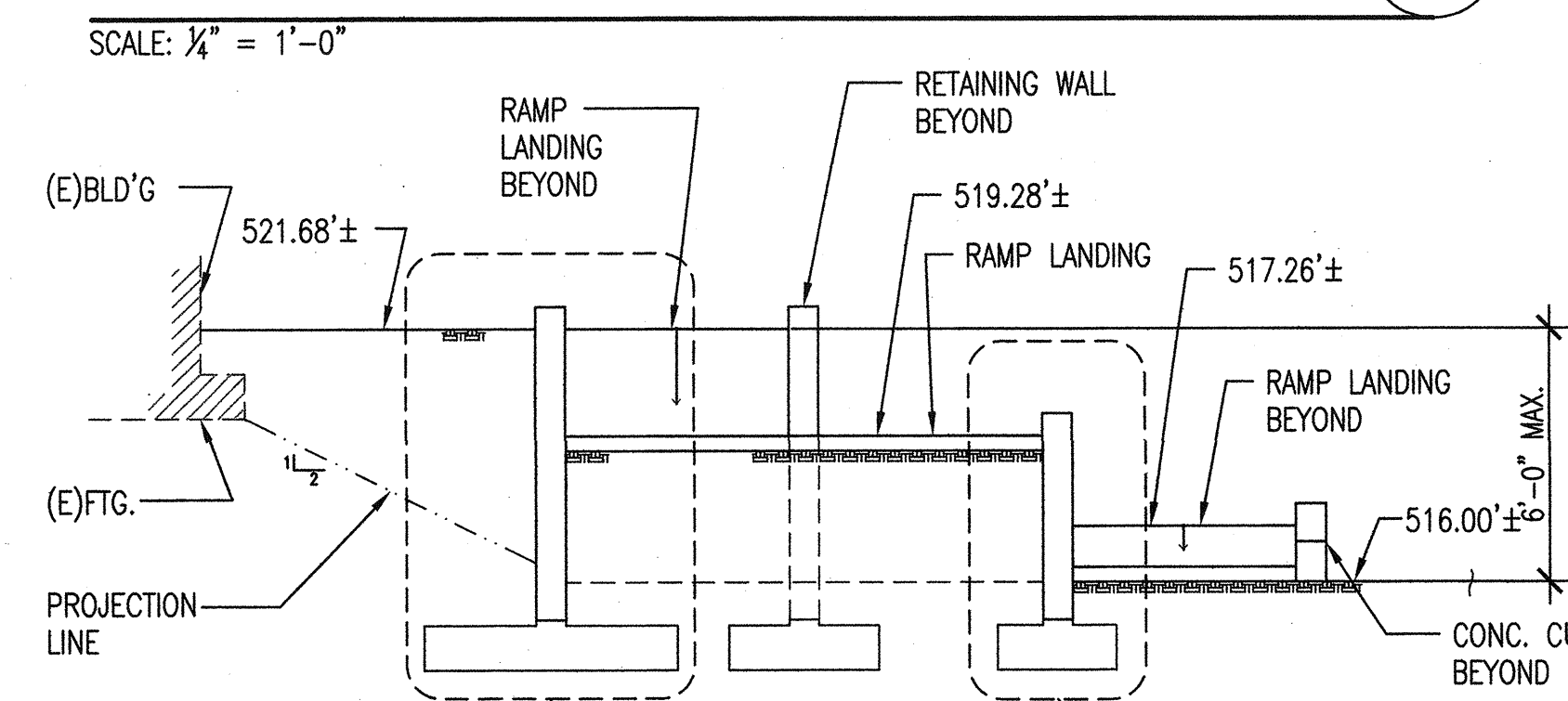
SCALE: 3/4" = 1'-0"

A3



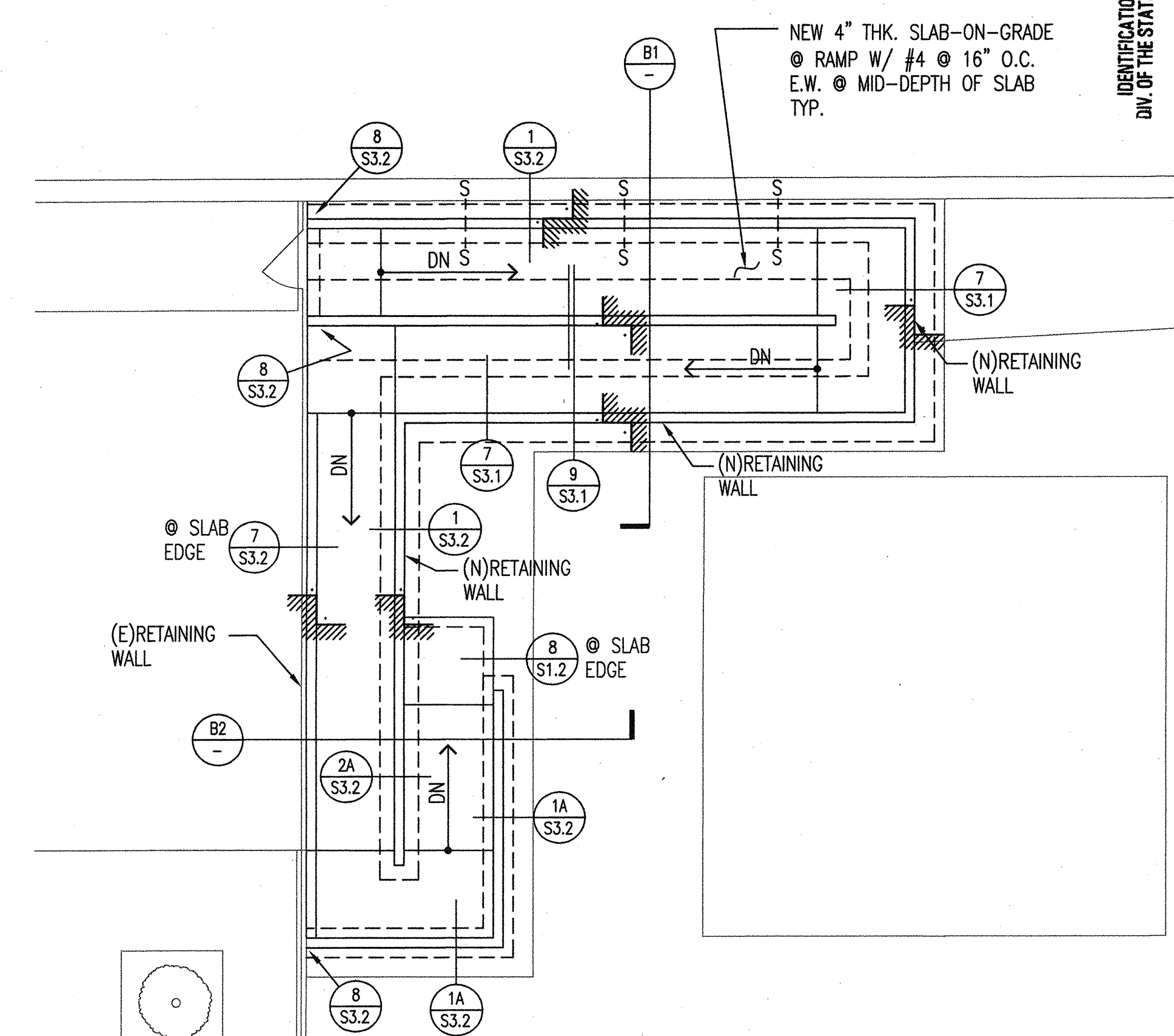
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A2



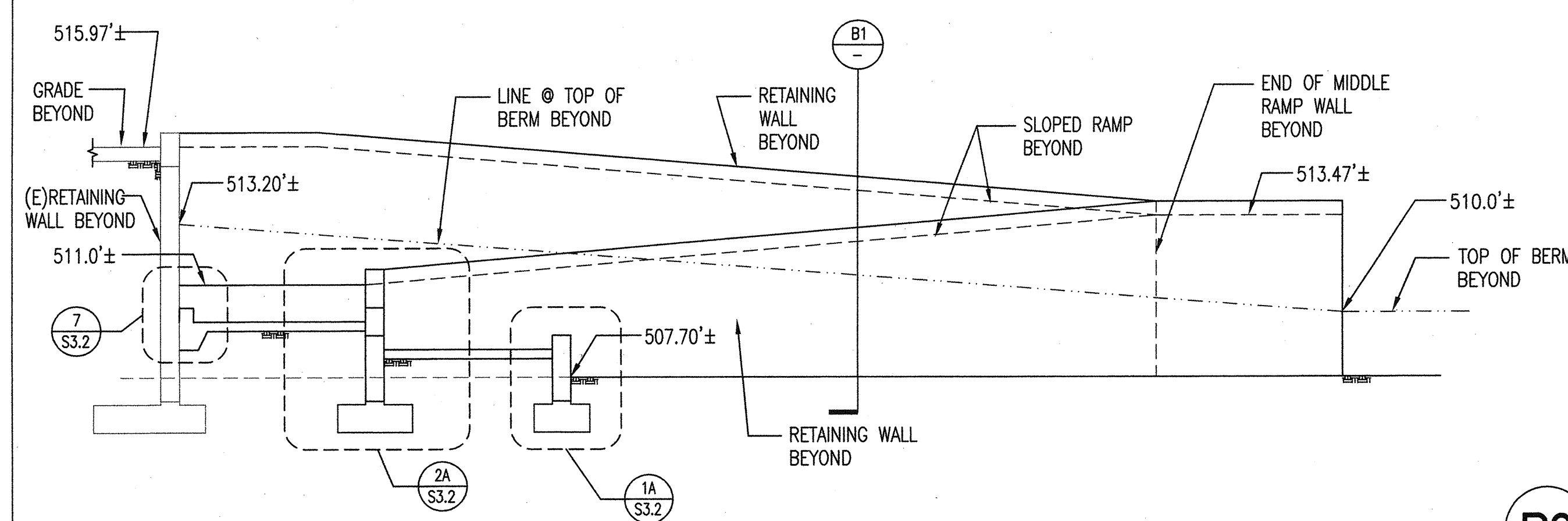
SCALE: 3/4" = 1'-0"

A1



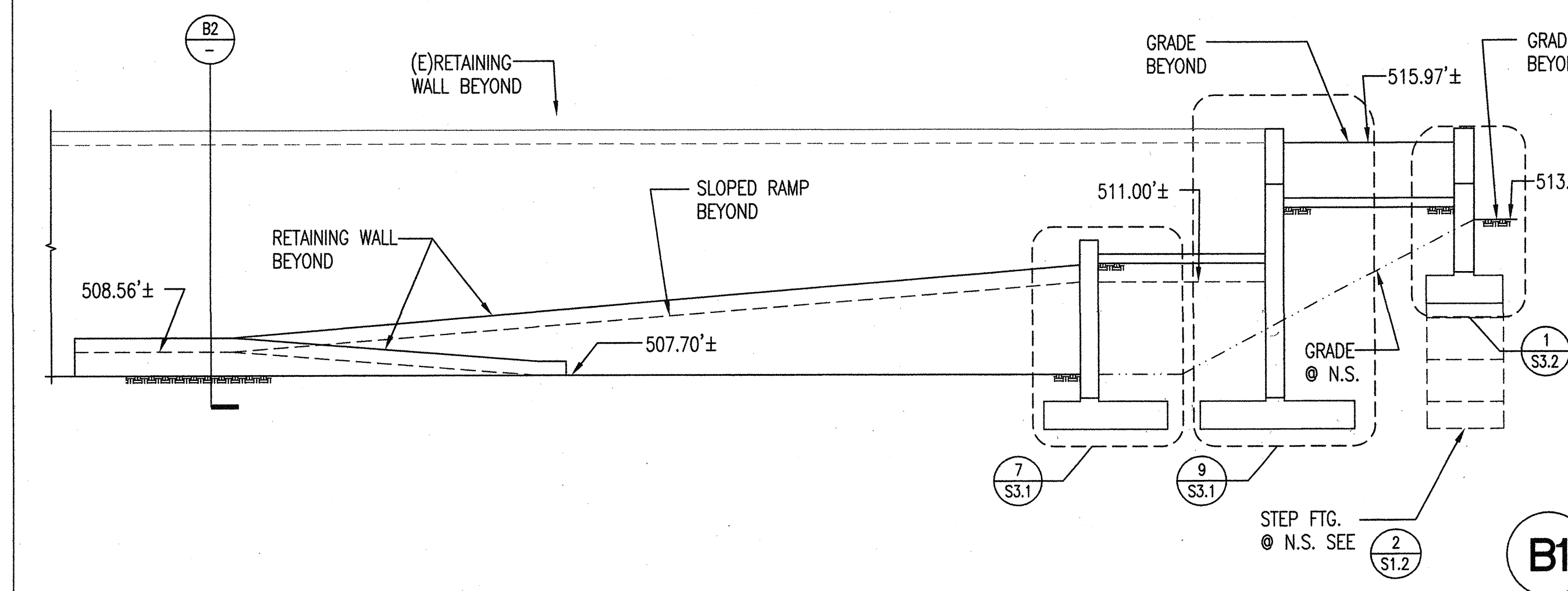
PARTIAL SITE FOUNDATION PLAN
SCALE: 1/8"=1'-0"

B



SCALE: 3/4" = 1'-0"

B2



SCALE: 3/4" = 1'-0"

B1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 01 11 3 8 2 B
AC F.S. S.S.
DATE JUL 11 2011

PROFESSIONAL SEAL
JIN JORRISON & NIELERA ASSOCIATES
ARCHITECTURE
1887 BUSINESS CENTER DRIVE SUITE 3
SAN BERNARDINO, CA 92408
TEL: 951.952.2237 FAX: 951.950.2444

REVISION

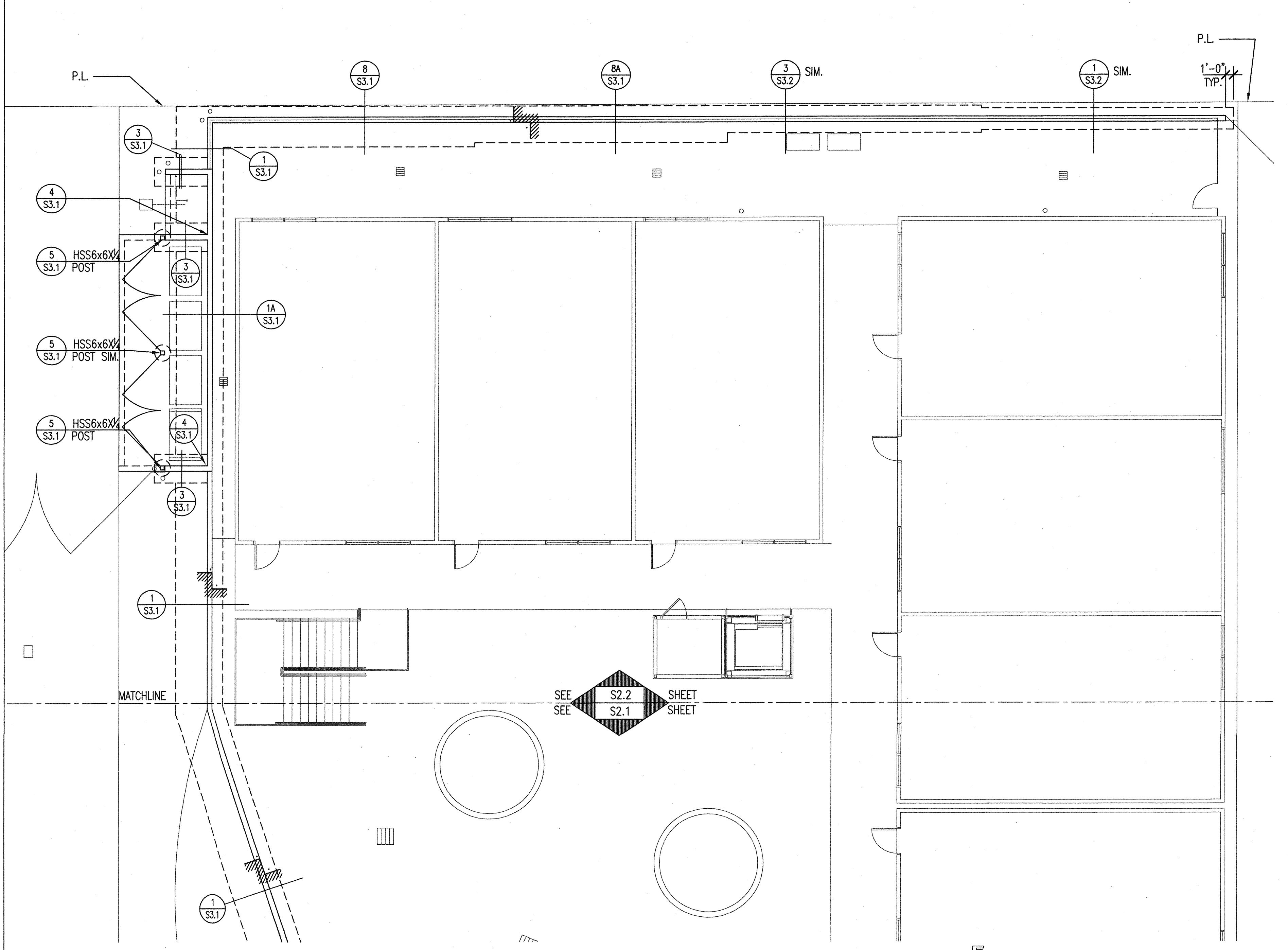
PSWC Group
ARCHITECTURE
INTERIOR DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
SAN BERNARDINO, CA 92408
TEL: 951.952.2237 FAX: 951.950.2444

**KEPPEL ELEMENTARY SCHOOL
2 STORY CLASSROOM ADDITION**
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

**PARTIAL SITE FOUNDATION
PLANS**

JOB NO. P874
DRAWN BY J.Y.
DATE 08-13-11

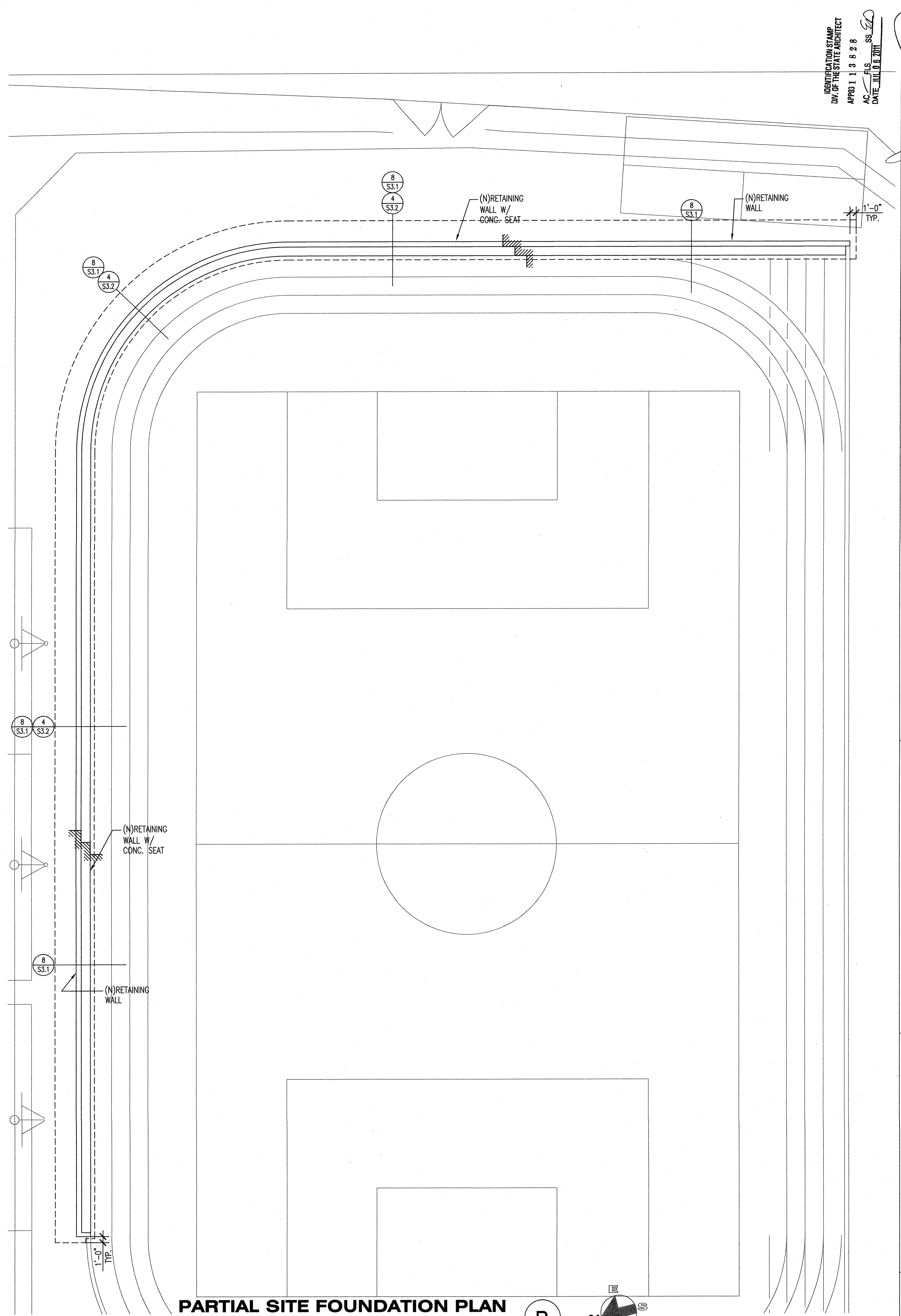
S-2.1



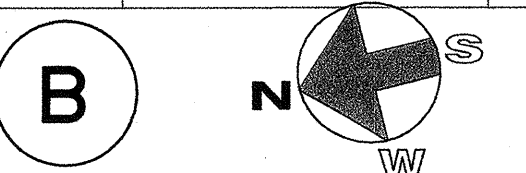
PARTIAL SITE FOUNDATION PLAN
SCALE: 1/8"=1'-0"



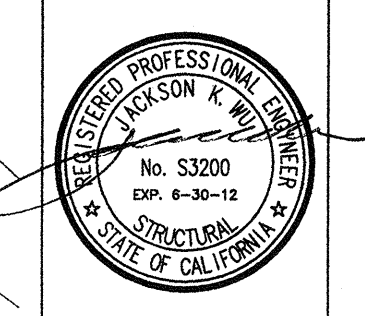
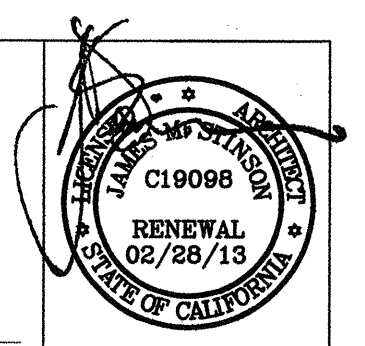
- SPECIAL NOTES THIS SHEET:**
1. FINISHES FLOOR ELEVATION VARIES. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, OPENINGS AND DEPRESSIONS.
 2. FOR SIZE & LOCATION OF CONCRETE CURBS & PADS, SEE ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS.
 3. VERIFY ALL UNDERGROUND UTILITY TRENCHING WITH ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS.
 4. FOR LIMITS OF RAMPS, WALKWAYS, PLANTER, STAIR, TOP OF WALL ELEVATIONS & WALL ENCLOSURES, SEE ARCHITECTURAL DWG.
 5. FOR ALL WALL OPENINGS, SEE ARCHITECTURAL DWG.
 6. FOUNDATIONS SHALL BE OF THE SIZE & TYPE AS INDICATED ON THE STRUCTURAL DWGS.
 7. ALL FILLING, BACKFILLING & COMPACTION OPERATIONS SHALL BE PERFORMED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE SOIL REPORT.
 8. FOOTING STEPS AS REQUIRED SHALL BE DETERMINED BY THE CONTRACTOR FOR DETAIL SEE 2/S1.2 CONTRACTOR SHALL VERIFY THE LOCATION OF STEPS AGAINST THE MIN. FOOTING EMBEDMENT BELOW THE LOWEST ADJACENT GRADE.



PARTIAL SITE FOUNDATION PLAN
SCALE: 1/8"=1'-0"



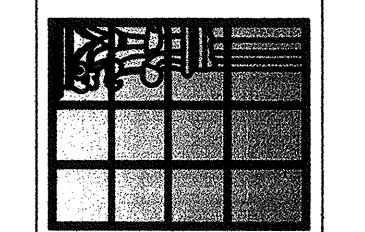
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 01 11 3 8 2 8
AC H.L.S. S.S. ED
DATE JUL 16 2011



JN CONSULTING ASSOCIATES
1887 BUSINESS CENTER DRIVE SUITE 3
GLENDALE, CA 91201
TEL: 909.890.2333 FAX: 909.890.2444

REVISION	DATE	BY

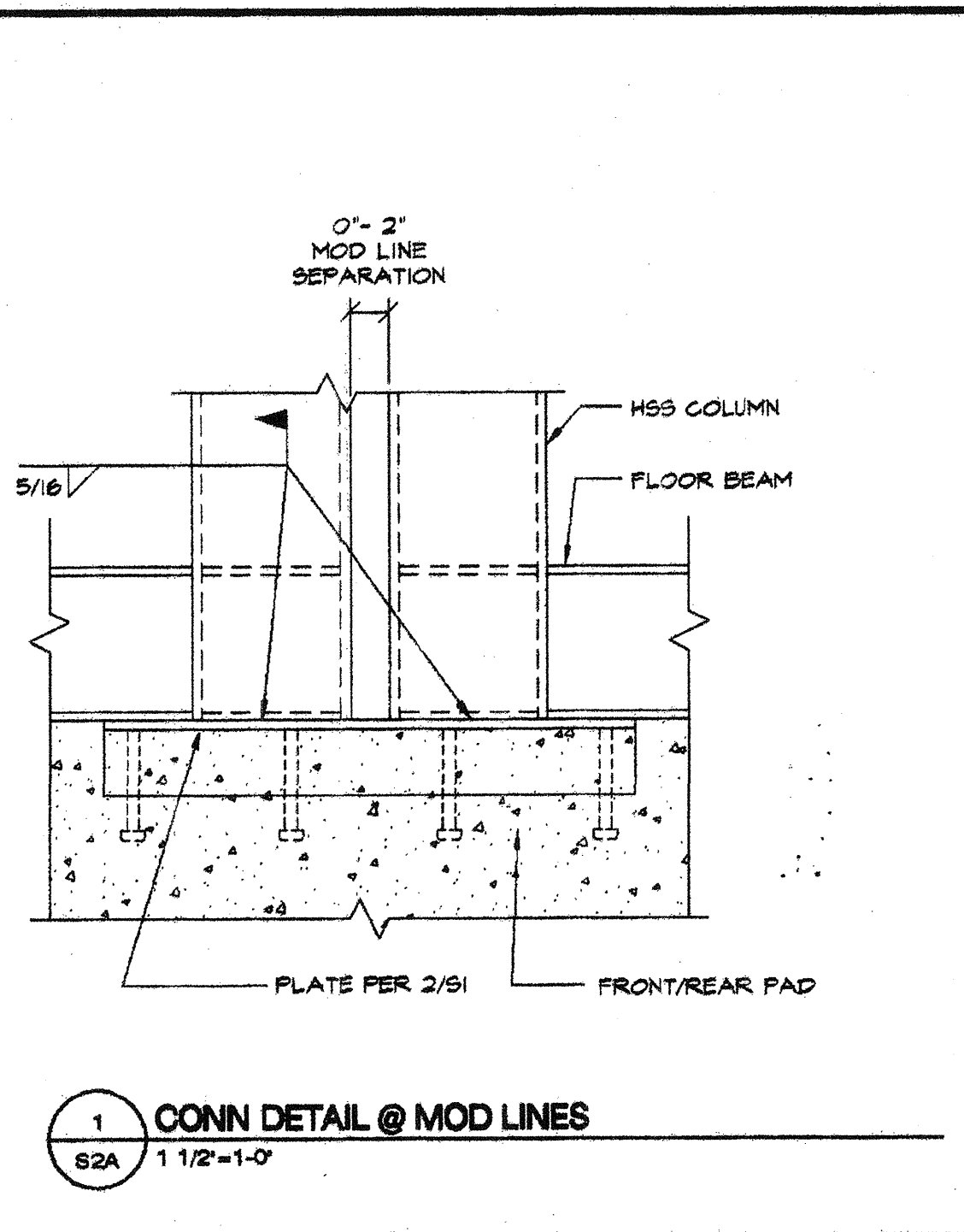
PSWC Group
ARCHITECTURE
PLANNING
INTERIOR DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
GLENDALE, CA 91201
TEL: 909.890.2333 FAX: 909.890.2444



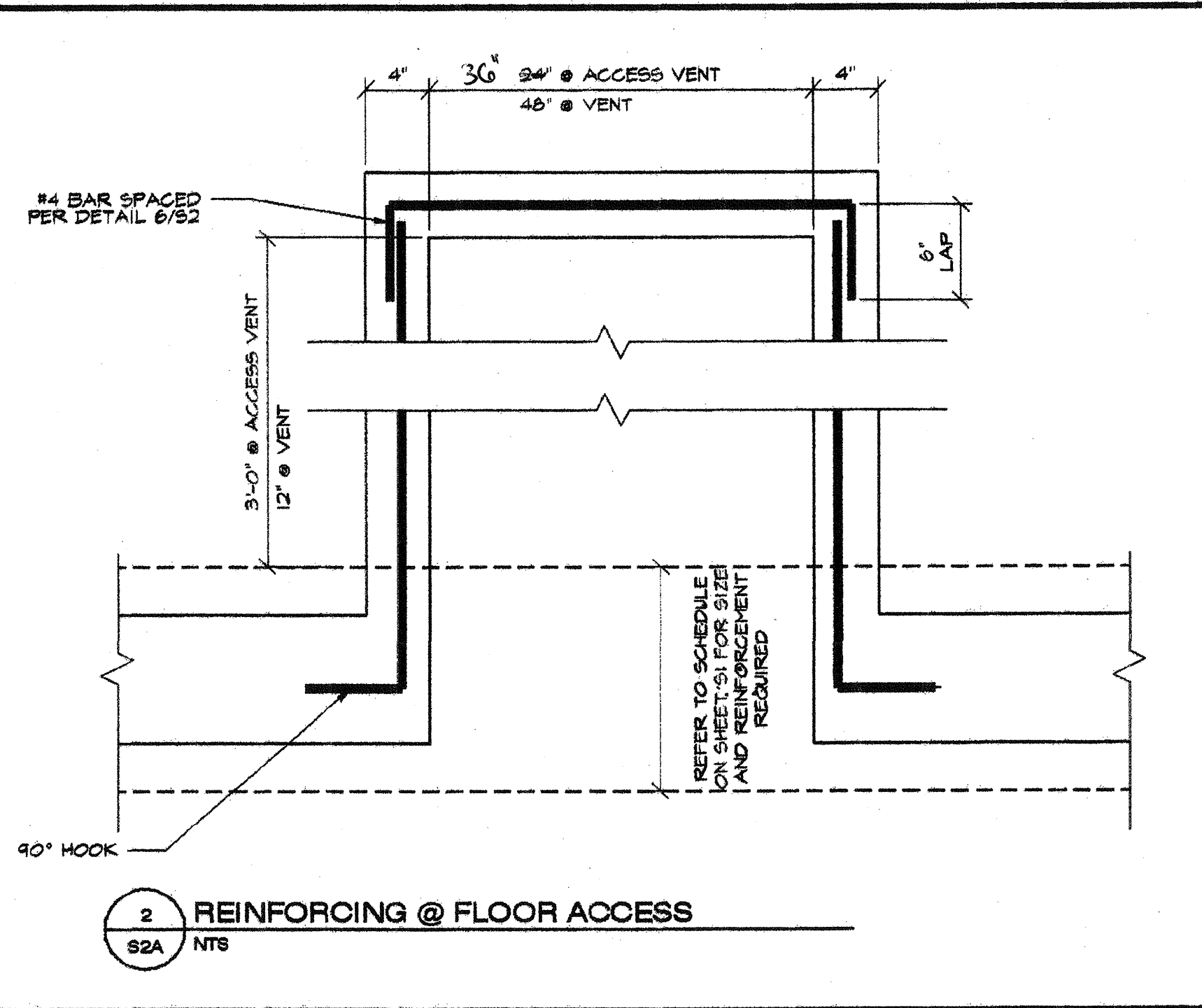
KEPPEL ELEMENTARY SCHOOL
2 STORY CLASSROOM ADDITION
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

PARTIAL SITE FOUNDATION PLANS

JOB NO. 2011-001
DRAWN BY J.T.
DATE 08-13-11



1 CONN DETAIL @ MOD LINES
S2A 1 1/2"=1'-0"



2 REINFORCING @ FLOOR ACCESS
S2A N.T.S.

BAR DIA. (IN)	DEVELOPMENT LENGTH FOR TOP BAR				TYPICAL LAP SPLICE LENGTH							
	2500 (IN)	3000 (IN)	3500 (IN)	4000 (IN)	CLASS B, 2500		CLASS B, 3000		CLASS B, 3500		CLASS B, 4000	
					TOP (IN)	BOTTOM (IN)	TOP (IN)	BOTTOM (IN)	TOP (IN)	BOTTOM (IN)	TOP (IN)	BOTTOM (IN)
3	17.8	16.4	14.8	13.4	23	18	21	16	18	19	15	14
4	23.4	21.4	19.5	18.5	30	23	28	21	26	20	24	18
5	29.9	26.7	24.7	23.1	38	29	35	27	32	25	30	23
6	35.1	32.0	29.7	27.7	46	35	42	32	39	30	36	28

NOTE: THE ABOVE TABLE IS BASED ON GRADE 40 STEEL.
1. TOP BARS ARE ANY BARS WITH MORE THAN 12" OF CONCRETE PLACED BELOW.

3 REBAR LAP SPLICE SCHEDULE
S2A N.T.S.

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 05-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
FOUNDATION DETAILS



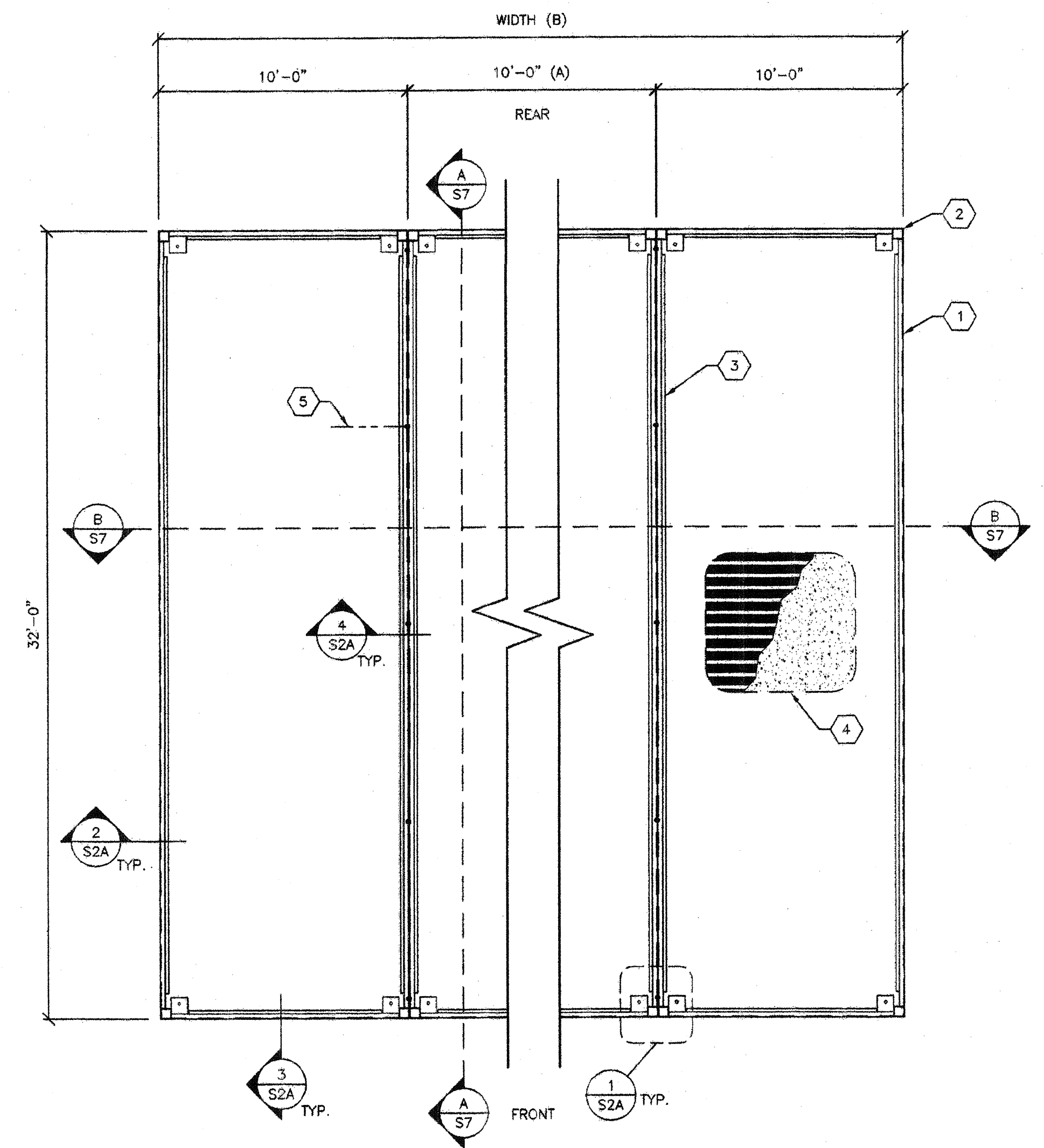
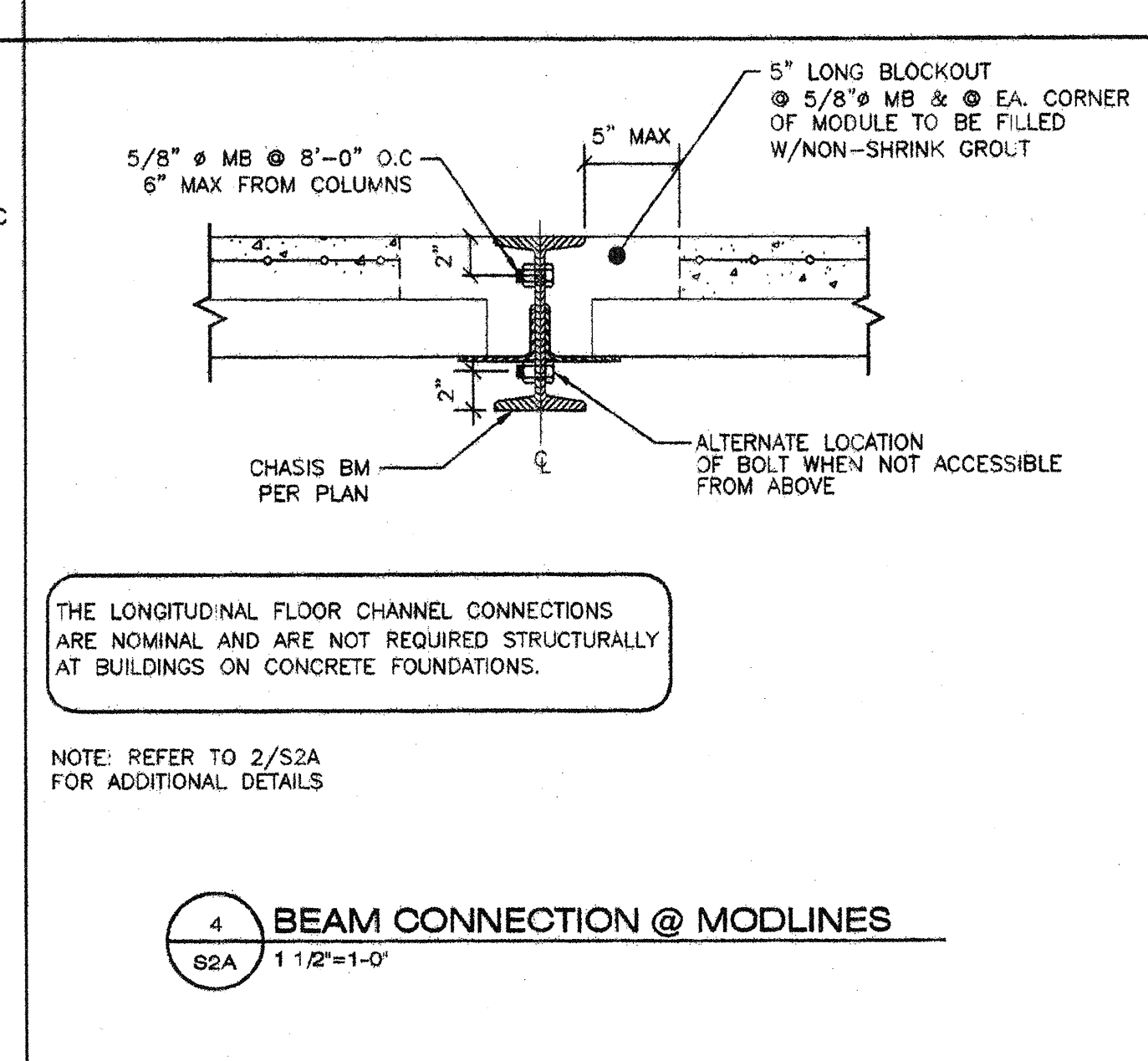
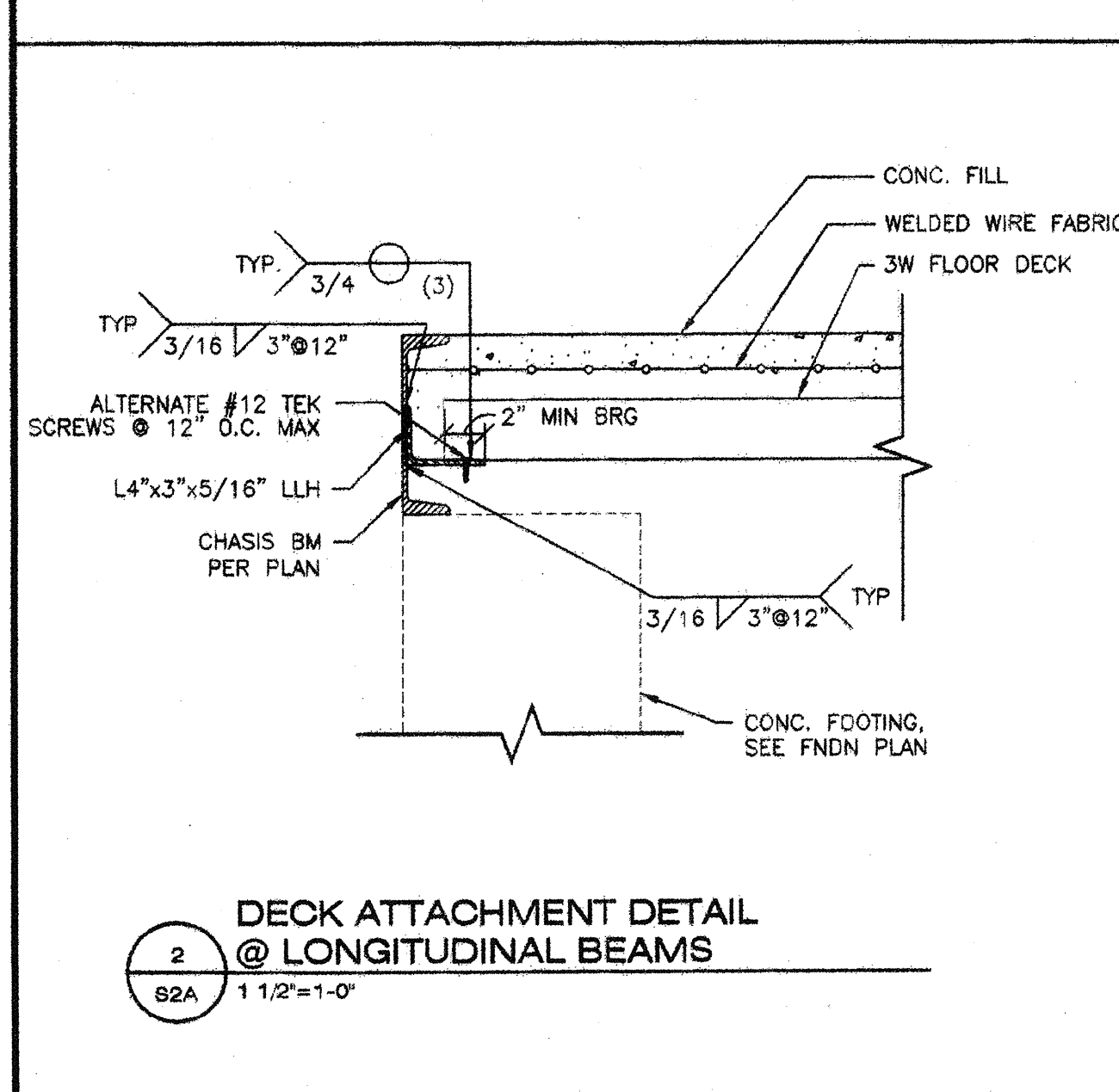
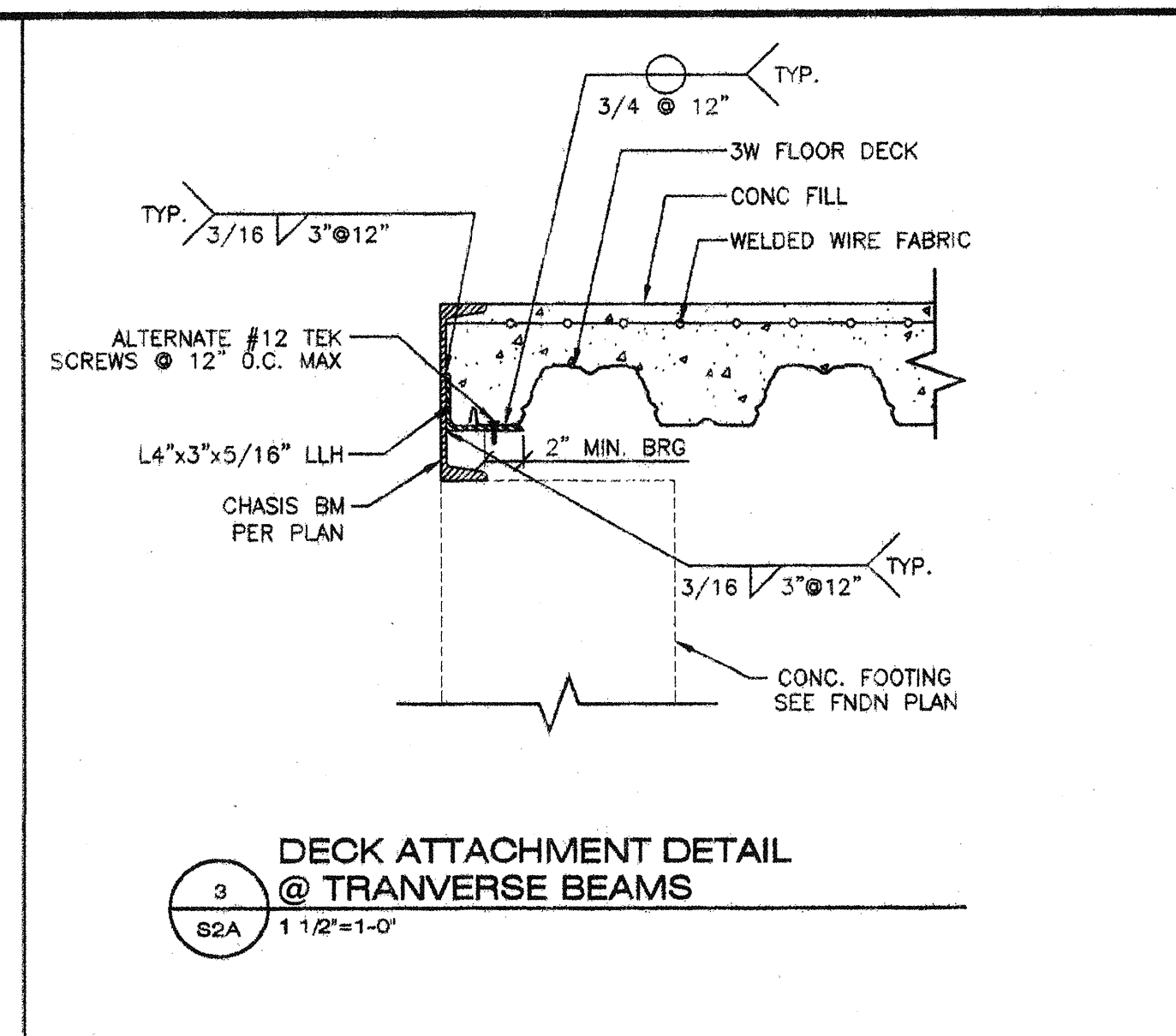
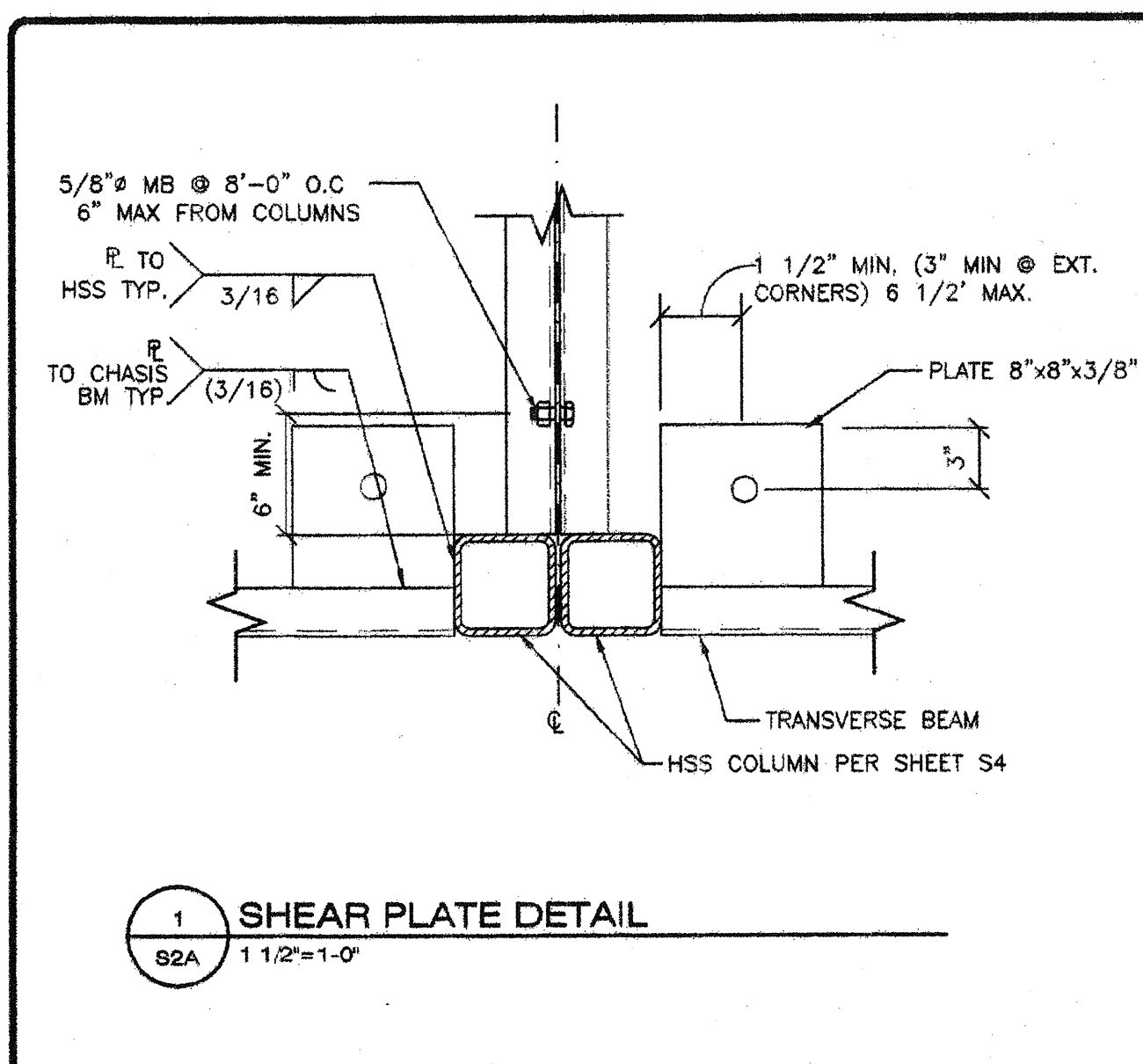
APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
[Signature]

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP# 1 1 3 8 2 8
AC: FLS SS ED
DATE: JUL 0 8 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-110818
AC: FLS SS ED
DATE: 7-19-10

PROJECT No.
PC
S2A

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- KEY NOTES -**
- 1 C9x13.4 FLOOR BEAM TYP
 - 2 HSS COLUMN PER SHEET S4
 - 3 L4"x3"x5/16" LLH
 - 4 CONCRETE FILL W/6x6 W/1.4 W/W 1'-0" LAP OVER ASC 18 GA 3W GALVANIZED DECK (5" THICKNESS W/L.W.C. OR N.W.C.) (6 1/4" THICKNESS W/L.W.C.) (6 1/2" THICKNESS W/N.W.C.) 3W DECK SIDE LAP ATTACHMENT TO BE BUTT JUNCTION PUNCHED @ 36" O.C. NOTE: SEE ICC ESR #2408 FOR ASC BRAND STEEL DECKING
 - 5 5/8" MB @ 8'-0" O.C. 6" MAX FROM COLUMNS

METAL DECK PROPERTIES AND PROFILE

PLAN DESIGNATION	DECK TYPE	MINIMUM PROPERTIES			ALLOW DIAPHRAGM SHEAR	DECK PROFILE
		+S IN ³	-S IN ³	I IN ⁴		
	3"-18 GA ASC 3W GALV DECK (36" WIDE)	0.780	0.777	1.260	596 WITH L.W.C. 872 WITH N.W.C.	

NOTE: ASC STEEL DECKING: ICC ESR #2408

- MODULE SCHEDULE -

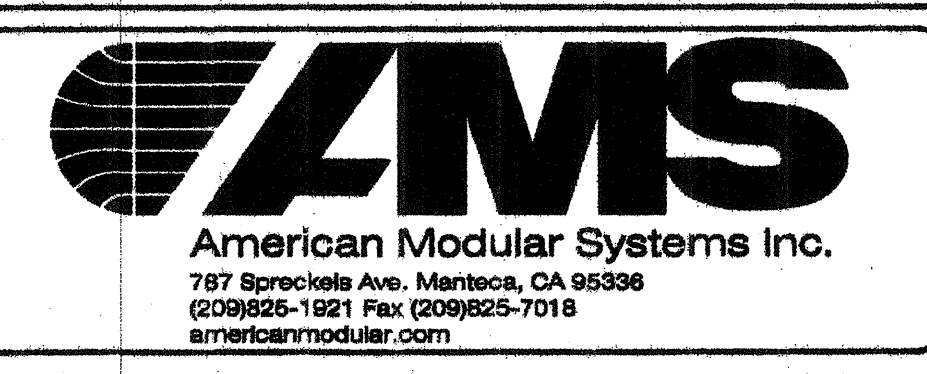
BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	TOTAL # OF CENTER MODULES	TOTAL BLDG WIDTH
30' x 32'	3	1	30'-1 1/2"
40' x 32'	4	2	40'-3 1/4"
50' x 32'	5	3	50'-1 1/2"
60' x 32'	6	4	60'-1 1/4"
70' x 32'	7	5	70'-1 1/2"
80' x 32'	8	6	80'-1 3/4"
90' x 32'	9	7	90'-2"
100' x 32'	10	8	100'-2 1/4"
110' x 32'	11	9	110'-2 1/2"
120' x 32'	12	10	120'-2 3/4"
130' x 32'	13	11	130'-3 1/4"
140' x 32'	14	12	140'-3 1/2"
150' x 32'	15	13	150'-3 3/4"

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 11-C1-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
FLOOR FRAMING PLAN & DETAILS
(CONCRETE FLOOR)



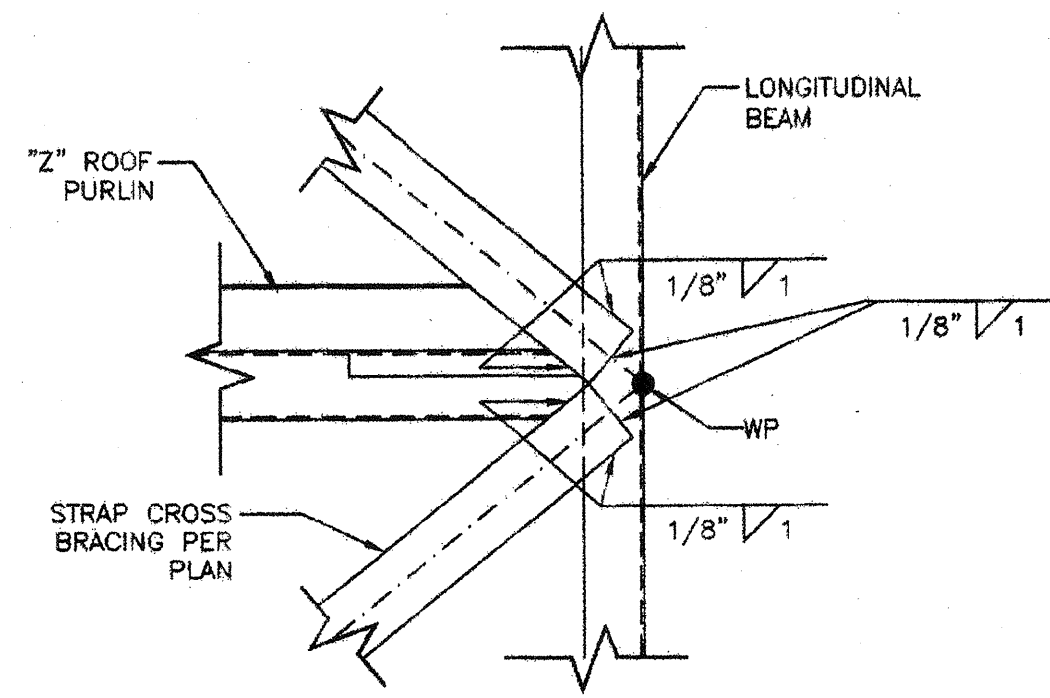
APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03113828
AC: FLS SS
DATE: JUL 08 2011

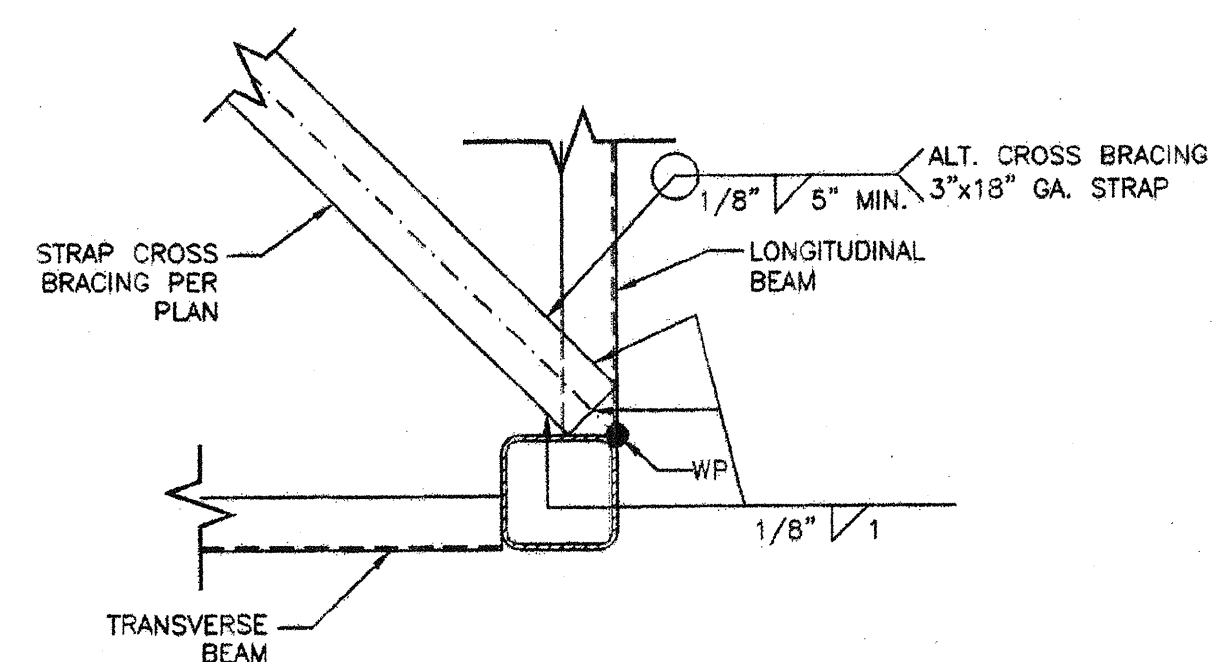
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DIV. OF THE STATE ARCHITECT
PC 02-110964
AC: FLS SS
DATE: 12/9/11

PROJECT No.
S2A

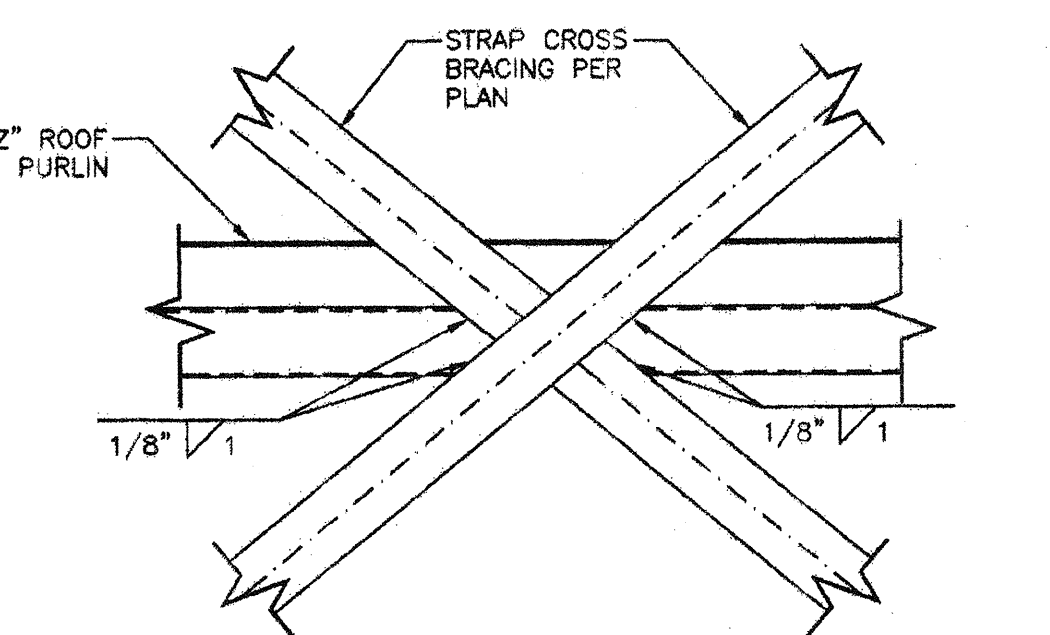
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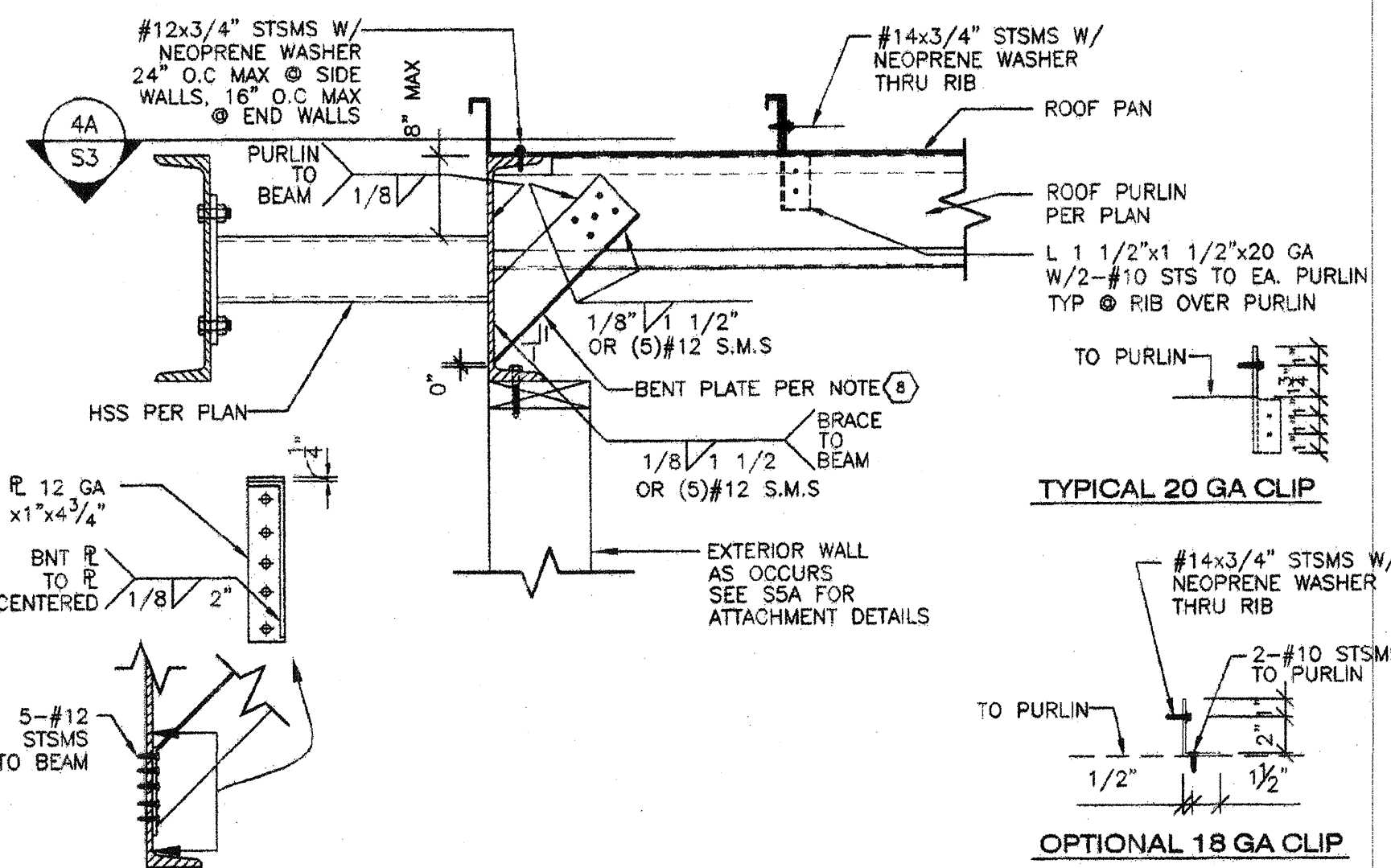
1 TYP. CROSS BRACING DETAIL
@ ROOF CHANNEL
1 1/2"=1'-0"



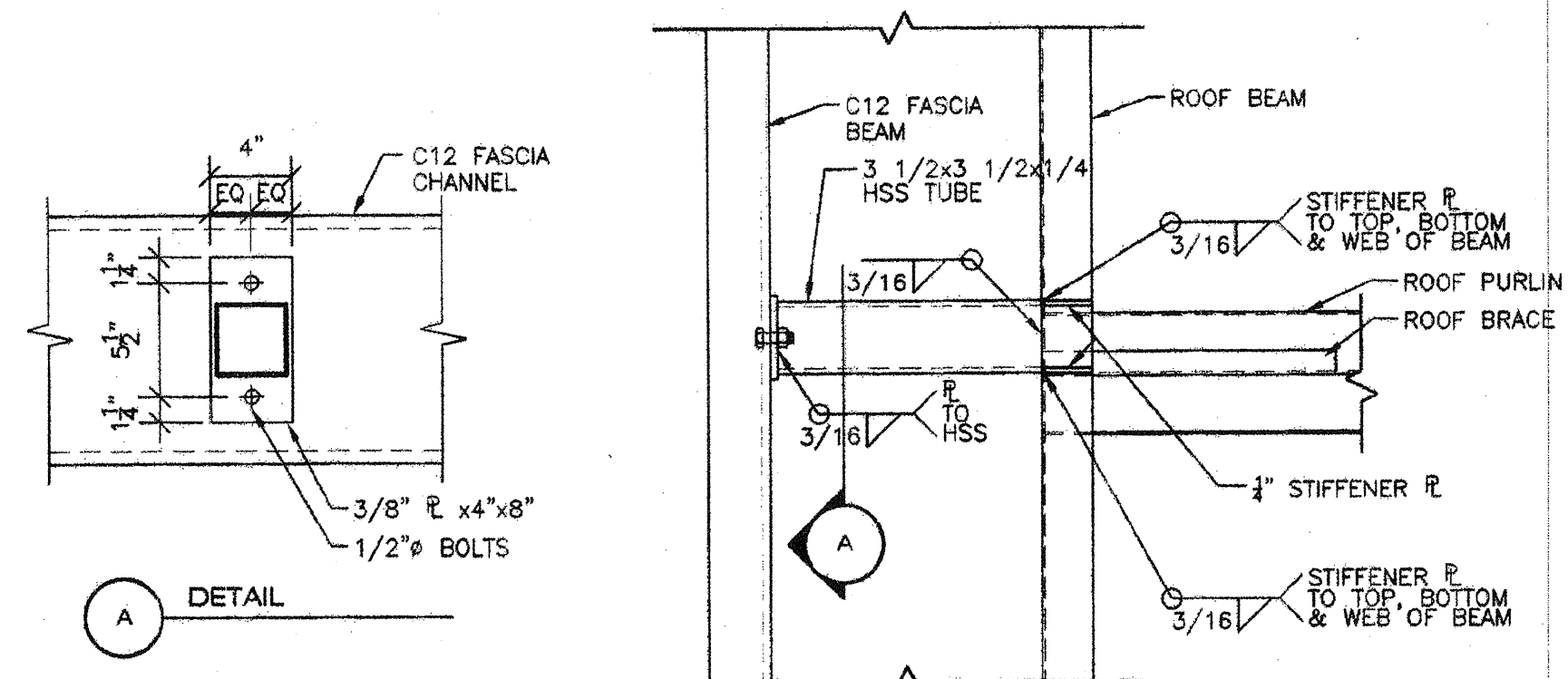
2 TYP. CROSS BRACING DETAIL
@ END CHANNEL
1 1/2"=1'-0"



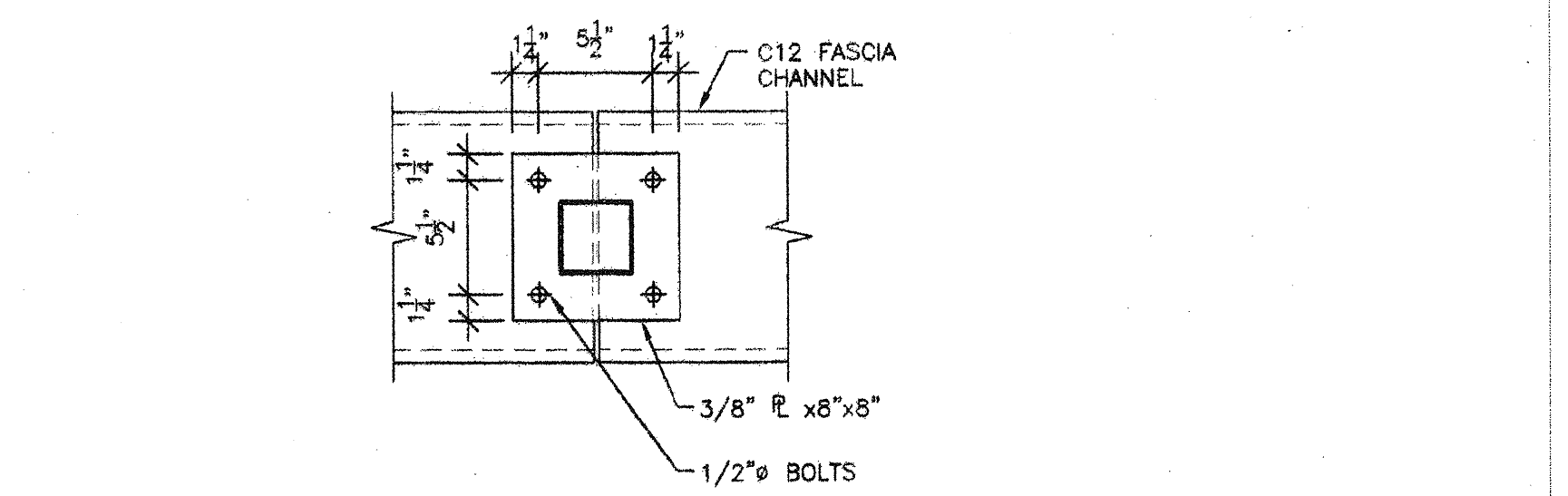
3 TYP. CROSS BRACING DETAIL
@ ROOF PURLIN
1 1/2"=1'-0"



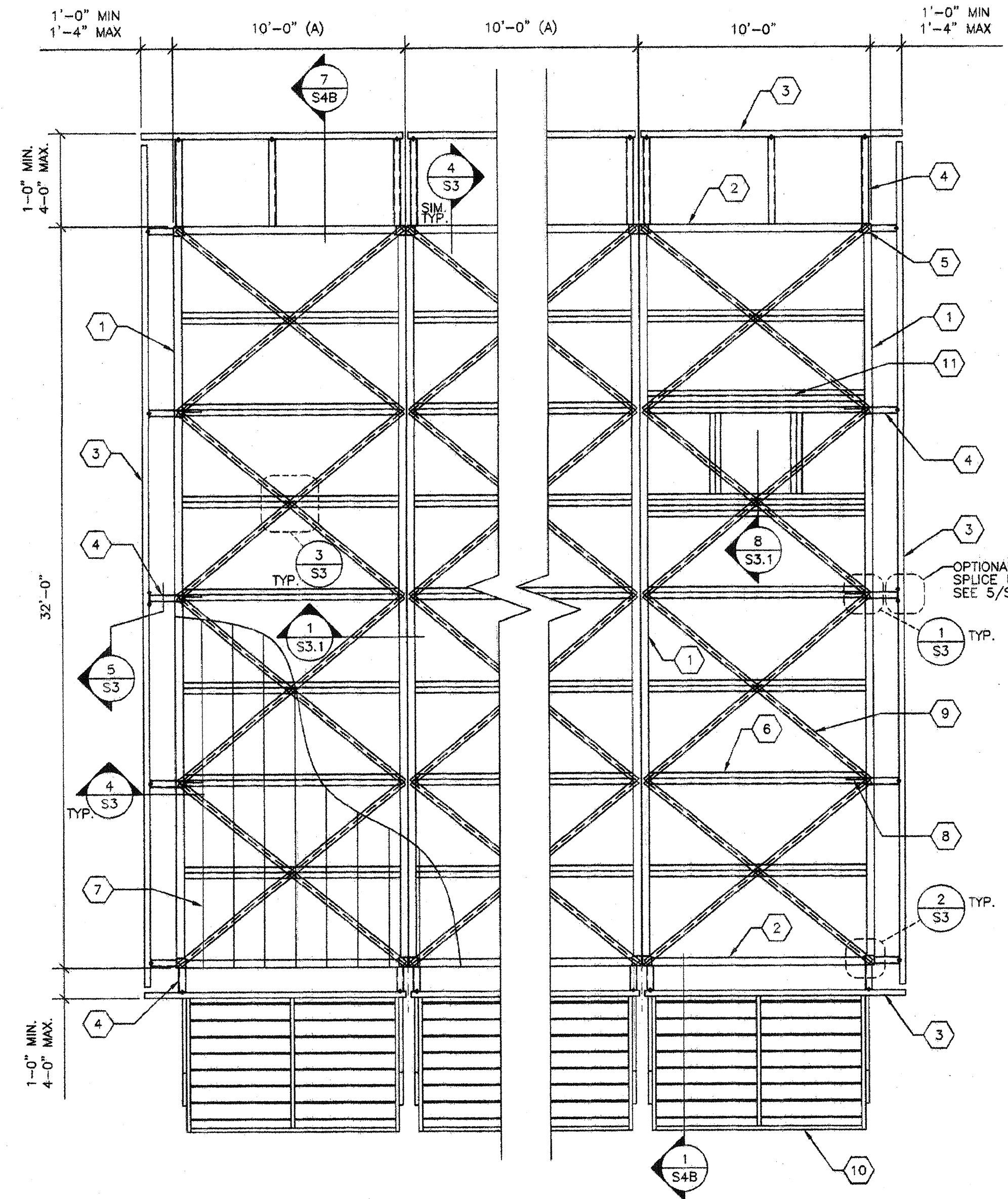
4 SIDE WALL ROOF BEAM DETAIL
1 1/2"=1'-0"



4A FASCIA BEAM ATTACHMENT DETAIL
1 1/2"=1'-0"



5 FASCIA BEAM SPLICE ATTACHMENT DETAIL
1 1/2"=1'-0"



A TYPICAL ROOF FRAMING LAYOUT
1/4"=1'-0"

- KEY NOTES -

- 1 C 12x20.7 LONGITUDINAL ROOF BEAM
- 2 C 12x20.7 TRANSVERSE BEAM
- 3 TYP C 12x20.7 FASCIA BEAM
- 4 TYP 3 1/2x3 1/2 x 1/4 HSS TUBE
- 5 TYP HSS PER SHEET S4
- 6 2" FORMED ROOF PURLINS PER 4/S3.1 @ 48" O.C. MAX
- 7 20 GA. ROOF PAN (ALT. 26 GA. ROOF PAN OVER PLYWOOD)
- 8 3"x12 GA. BENT PLATE C12 ROOF BEAM TO PURLIN @ 8'-0" OC MAX PER 4/S3
- 9 2"x16 GA. STRAP CROSS BRACING GRADE 50. ALTERNATE 3"x18 GA. GRADE 50. ALTERNATE TO STRAP CROSS BRACING: 3/4" APA RATED L-P OSB OR 3/4" PLYWOOD REFER TO SHEET S3A
- 10 SHADE STRUCTURE PER SHEET S4B
- 11 PROVIDE DOUBLE PURLINS AND BLOCKING 2/S3.1 & 8/S3.1 @ OPTIONAL 600# HVAC. (10'-0" MAX FROM END OF BUILDING TO CENTER OF UNIT)

- GENERAL NOTES -

1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
2. SEE SHEET S5 OR S6 FOR TYP. SIDE WALL FRAMING.
3. SEE SHEET S5 OR S6 FOR TYP. END WALL FRAMING.
4. ALL FASTENERS THRU METAL ROOF PANEL, SHALL BE INSTALLED W/NEOPRENE WASHERS.

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
30' x 32'	3	1	30'-1 1/2"
40' x 32'	4	2	40'-3 1/4"
50' x 32'	5	3	50'-1"
60' x 32'	6	4	60'-1 1/4"
70' x 32'	7	5	70'-1 1/2"
80' x 32'	8	6	80'-1 3/4"
90' x 32'	9	7	90'-2"
100' x 32'	10	8	100'-2 1/4"
110' x 32'	11	9	110'-2 1/2"
120' x 32'	12	10	120'-2 3/4"
130' x 32'	13	11	130'-3 1/4"
140' x 32'	14	12	140'-3 1/2"
150' x 32'	15	13	150'-3 3/4"

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 11-01-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
ROOF FRAMING PLAN & DETAILS (STRAP BRACING)

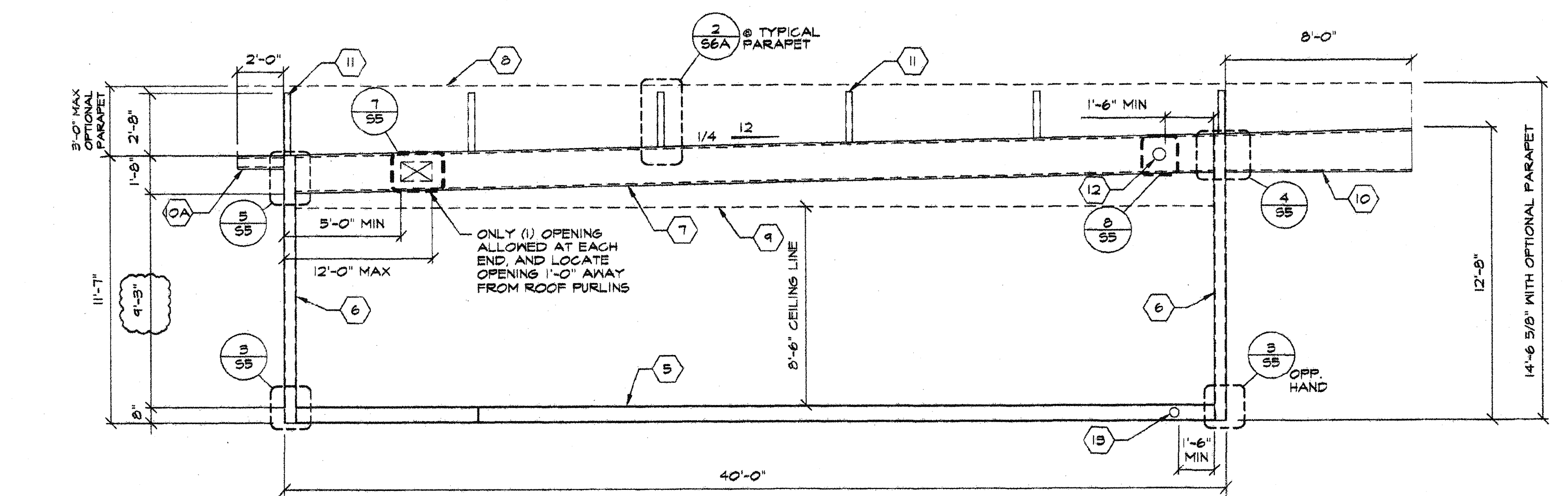


APPROVALS:
Professional Engineer Seal: No. 1418, Exp. 3-31-11, State of California.

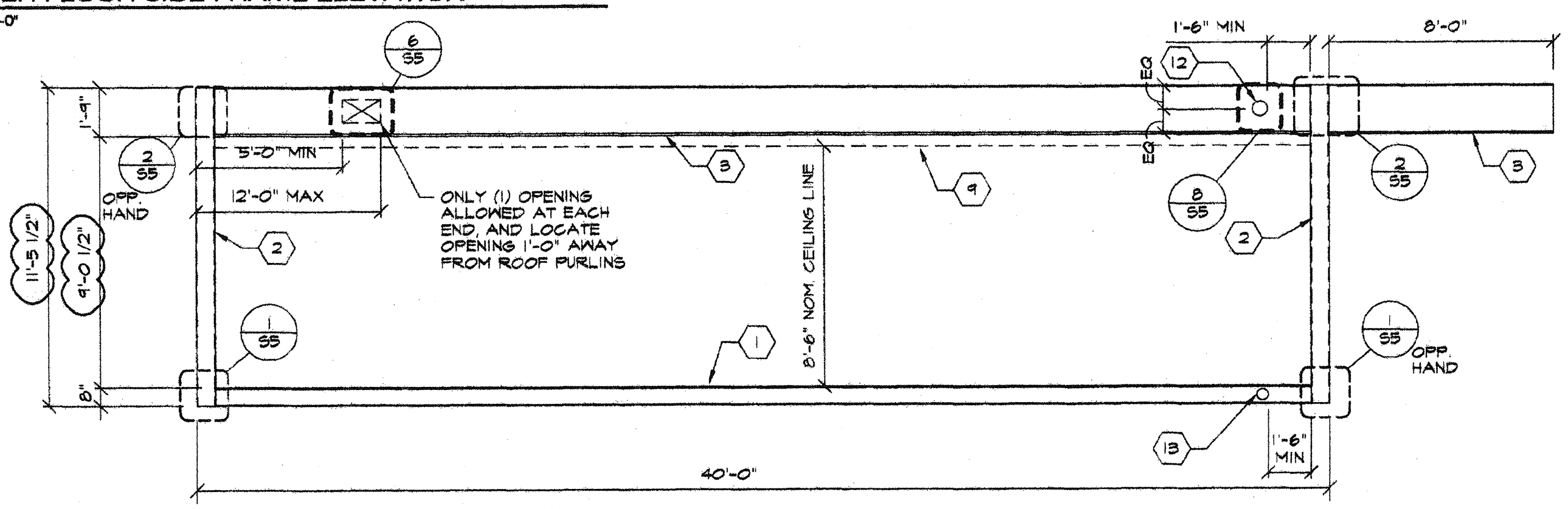
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 113828
AC: FLS SS: GD
DATE: JUL 16 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-110964
AC: FLS SS: 0
DATE: 12/9/09

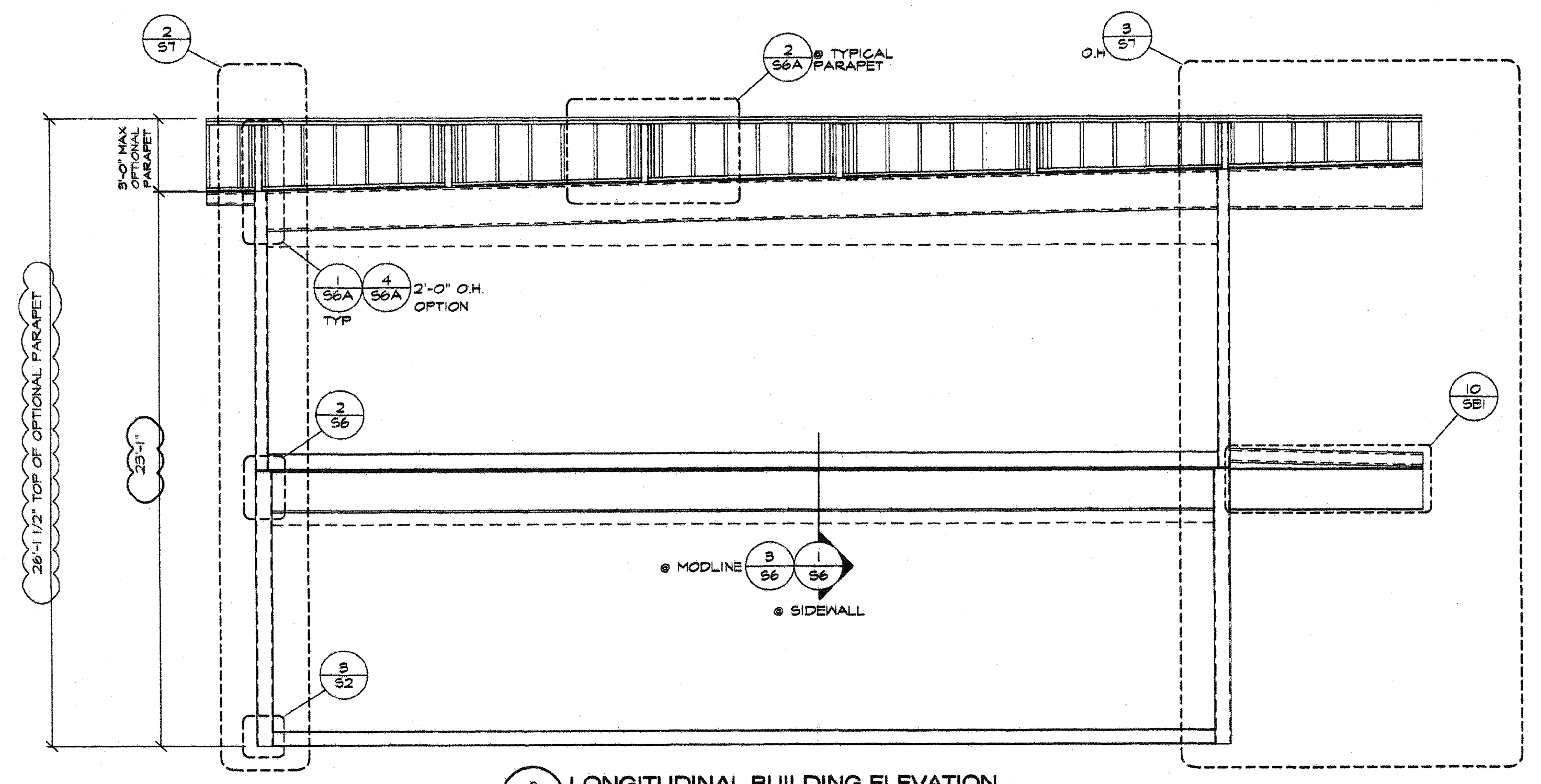
PROJECT NO.
S3



1 UPPER FLOOR SIDE FRAME ELEVATION
SS 1/4"=1'-0"



2 GROUND FLOOR SIDE FRAME ELEVATION
SS 1/4"=1'-0"



3 LONGITUDINAL BUILDING ELEVATION
SS 1/4"=1'-0"

- SHEET NOTES -
- 1 1" x 24" GROUND FLOOR BEAM
 - 2 HSS 8x6x1/2
 - 3 1" x 24" x 4" GROUND FLOOR ROOF BEAM
 - 4 NOT USED
 - 5 1" x 8" x 8" UPPER FLOOR BEAM
 - 6 HSS 6x6x1/2
 - 7 20"x6"x10g3 UPPER FLOOR ROOF BEAM PER SHEET S15A
 - 8 PARAPET LINE
 - 9 CEILING LINE
 - 10 20" x 22" x 8" x 1/4" TAPERED FORMED OVERHANG CHANNEL
 - 10A 6" x 1/2" x 1/2" TAPERED FORMED REAR OVERHANG CHANNEL
 - 11 5/8" x 1/2" x 1/4" HSS PARAPET COLUMN @ 12'-0" MAX SEE 1 & 1A/56A FOR DETAILS
 - 12 6" MAX OPENINGS IN WEB OF ROOF BEAM WITHOUT WEB REINFORCING. SPACE HOLES @ 60" O.C. MIN. HOLE CAN OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM.
- NOTE:
IF HOLE IS LESS THAN 2" @ SPACE HOLES @ 24" O.C. MIN AND NO REINFORCEMENT IS REQUIRED
- 13 4" MAX OPENINGS IN WEB OF FLOOR BEAM PER DETAIL 6A/5A WITHOUT WEB REINFORCEMENT. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS

REVISIONS	
NO	DESCRIPTION

DATE: 05-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
LONGITUDINAL FRAME ELEVATION

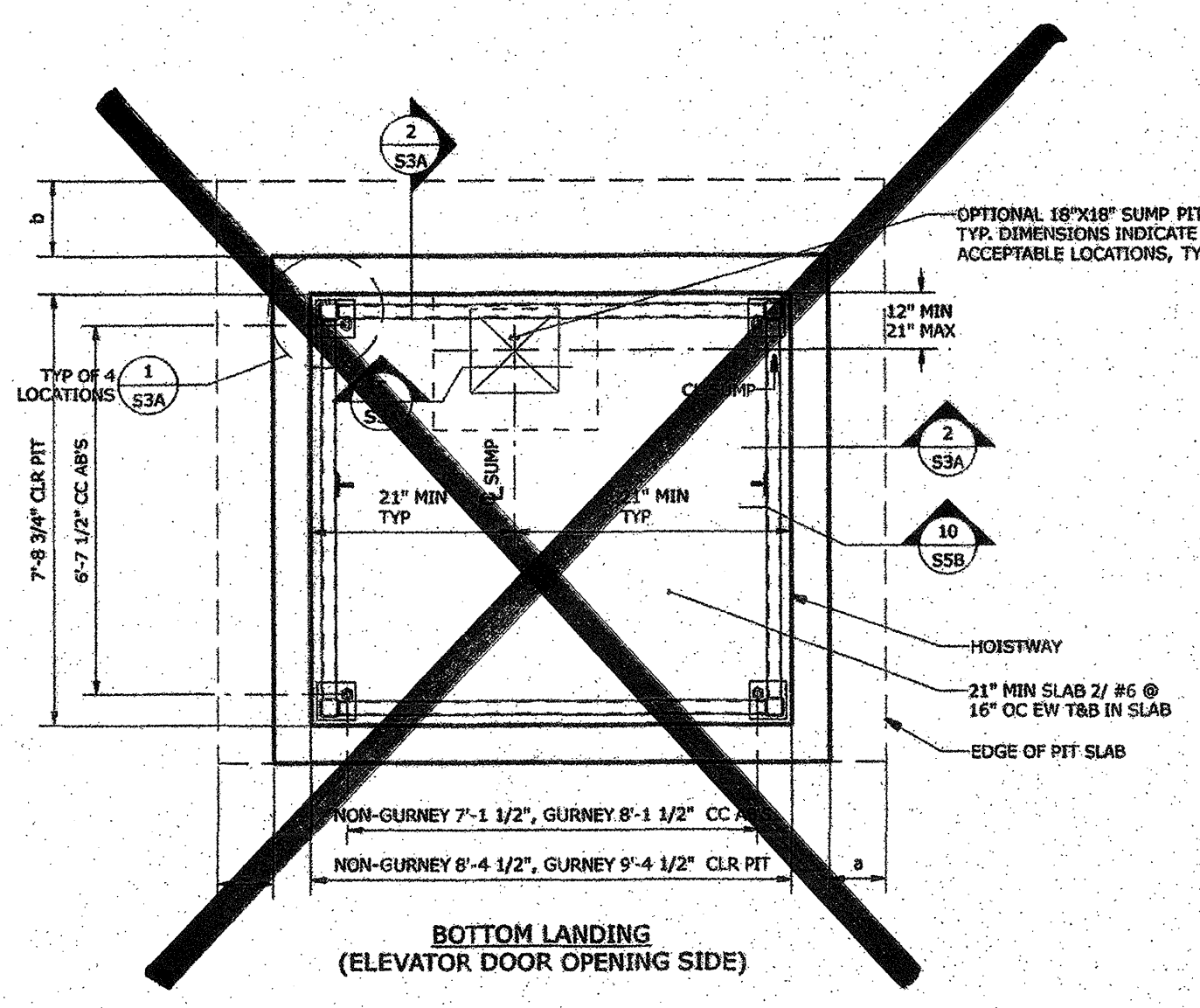


APPROVALS:
RESIDENTIAL PROFESSIONAL DESIGNER
No. 1458
EXP. 3-31-11
Richard Engineer
STATE OF CALIFORNIA

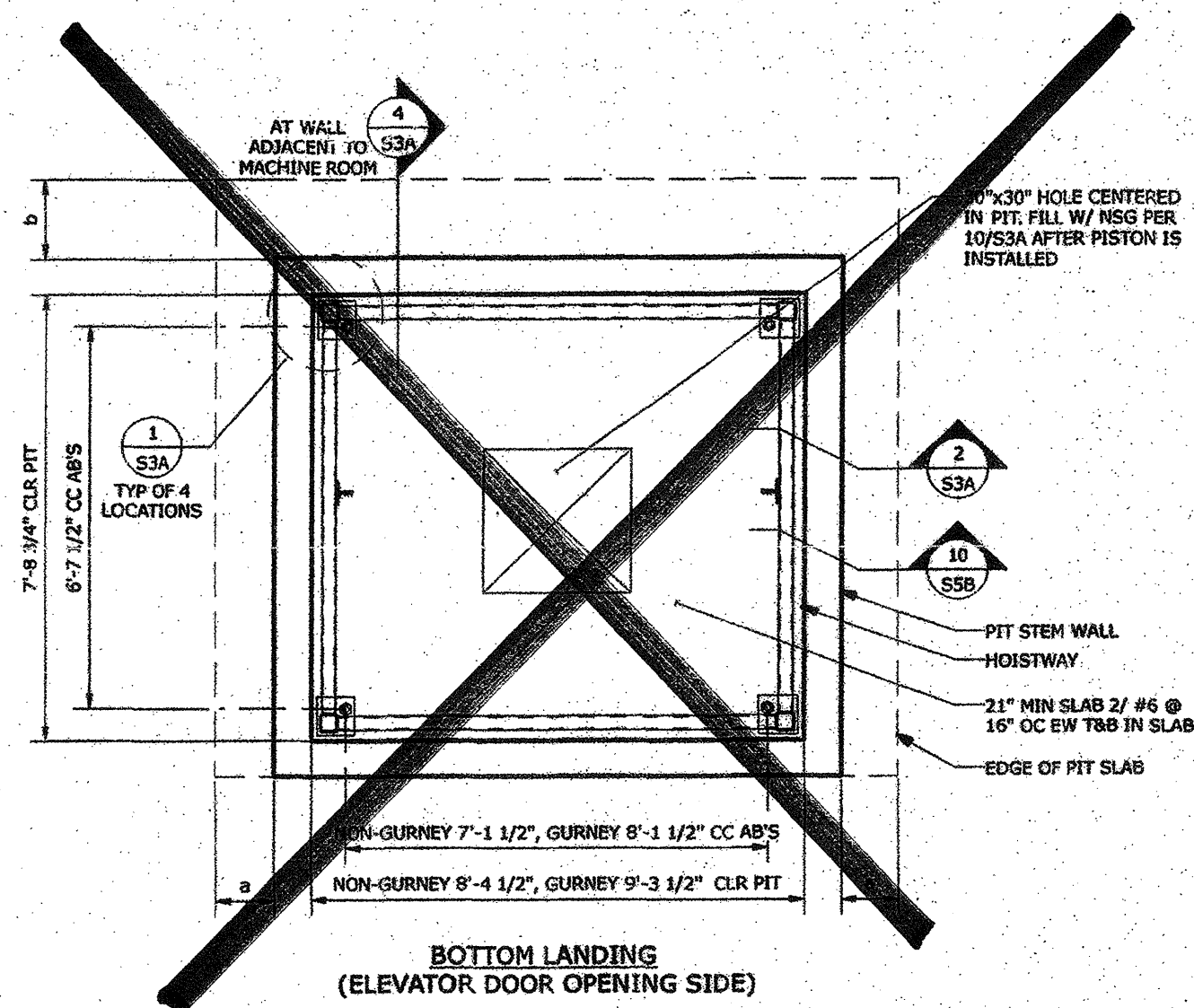
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROX 113828
AC FLS SS 60
DATE JUL 16 2011
PC 02-110618
DATE 7/19/10

PROJECT NO.
PC
S3

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**OPTION 5 - EQUIPMENT ROOM BY OTHERS
FOUNDATION PLAN**
S3 NTS

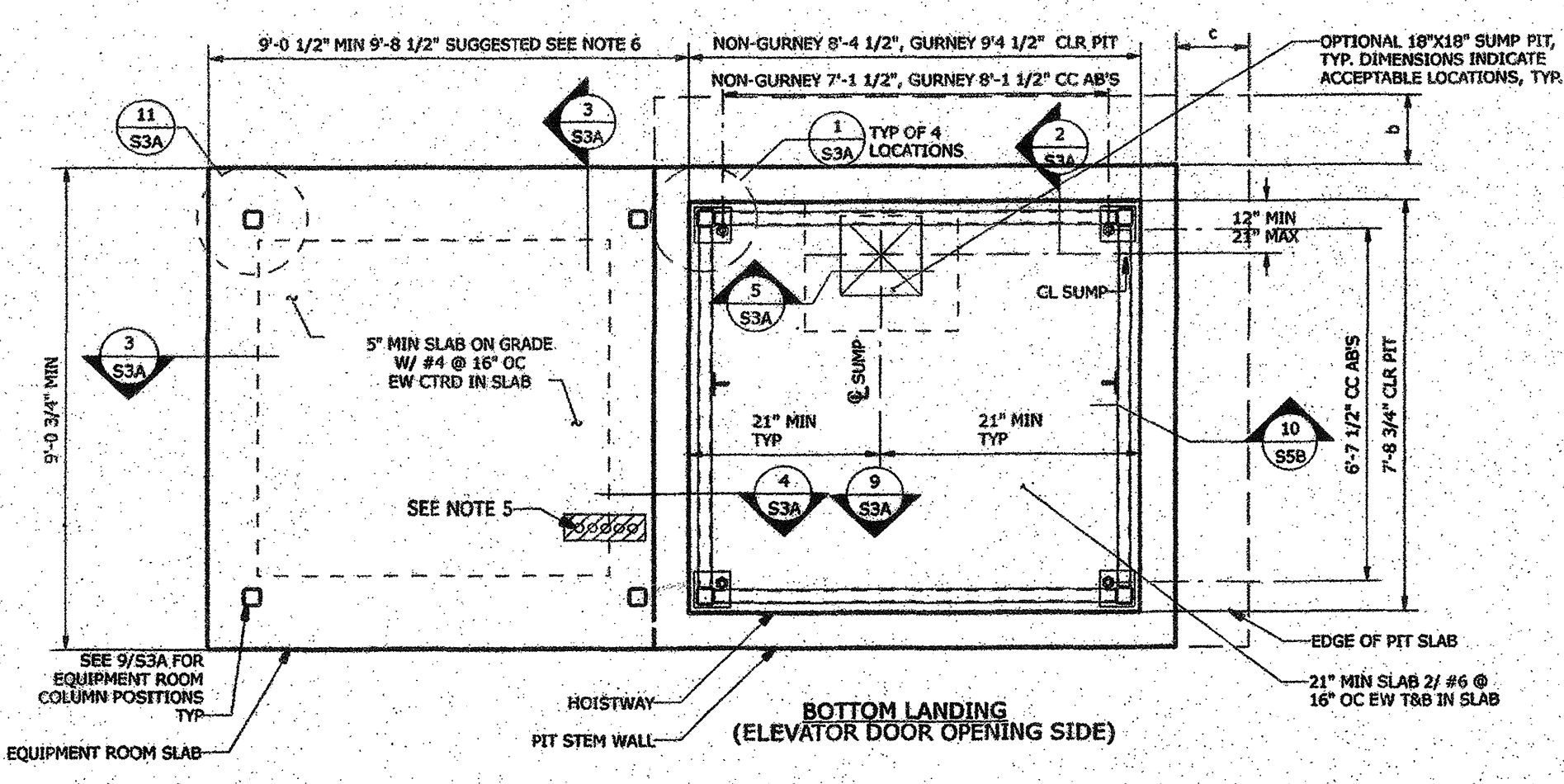


**OPTION 6 - DIRECT PLUNGER
FOUNDATION PLAN**
S3 NTS

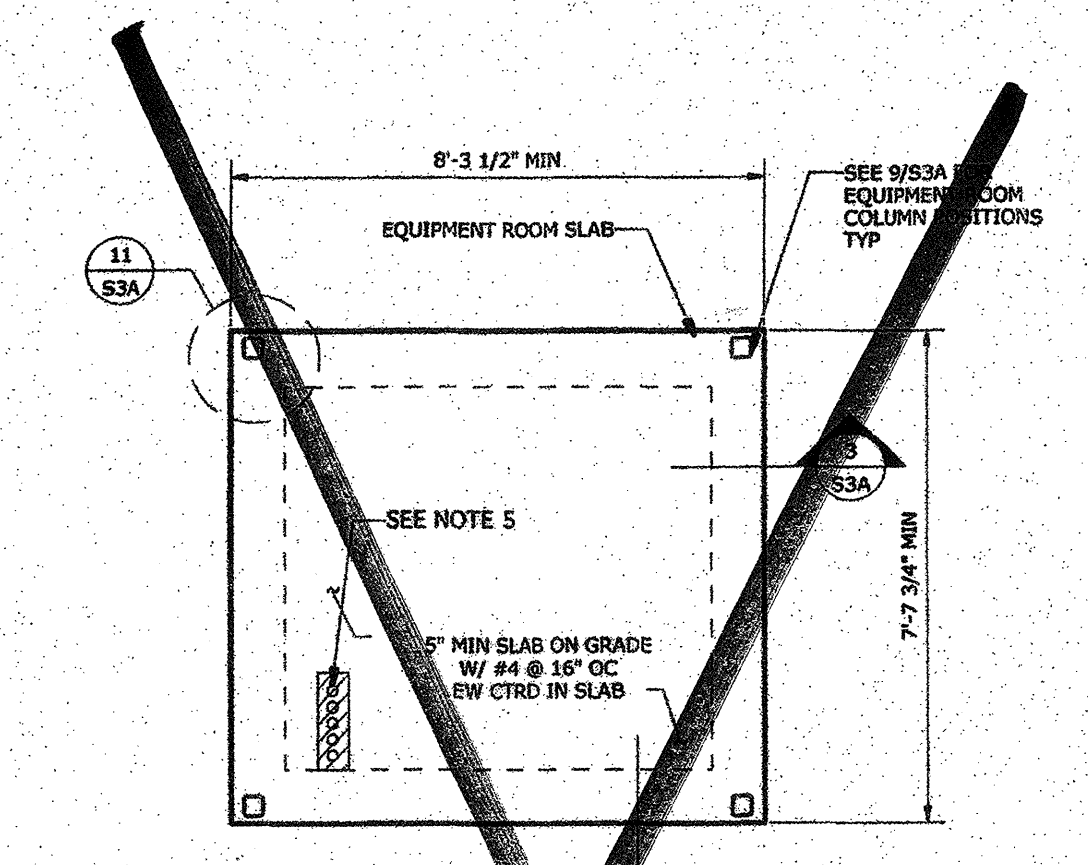
7 S3 PIT SLAB EXTENSION DIMENSIONS

SOIL PROPERTIES		REQUIRED EXTENSION			
UNADJUSTED	ADJUSTED FOR 5.25 FT DEPTH	ALLOWABLE* PASSIVE PRESSURE (PCF)	"a"	"b"	"c"
SLAB EXTENSION ON TWO SIDES:					
1500 ⁽¹⁾	2000	100	-	48	48
2000 ⁽²⁾	3180	150	-	36	30
3000 ⁽²⁾	4510	200	-	30	24
4000 ⁽²⁾	5840	400	-	24	12
SLAB EXTENSION ON THREE SIDES:					
1500 ⁽¹⁾	2000	100	24	42	-
2000 ⁽²⁾	3180	150	12	30	-
3000 ⁽²⁾	4510	200	12	24	-
4000 ⁽²⁾	5840	400	6	18	-

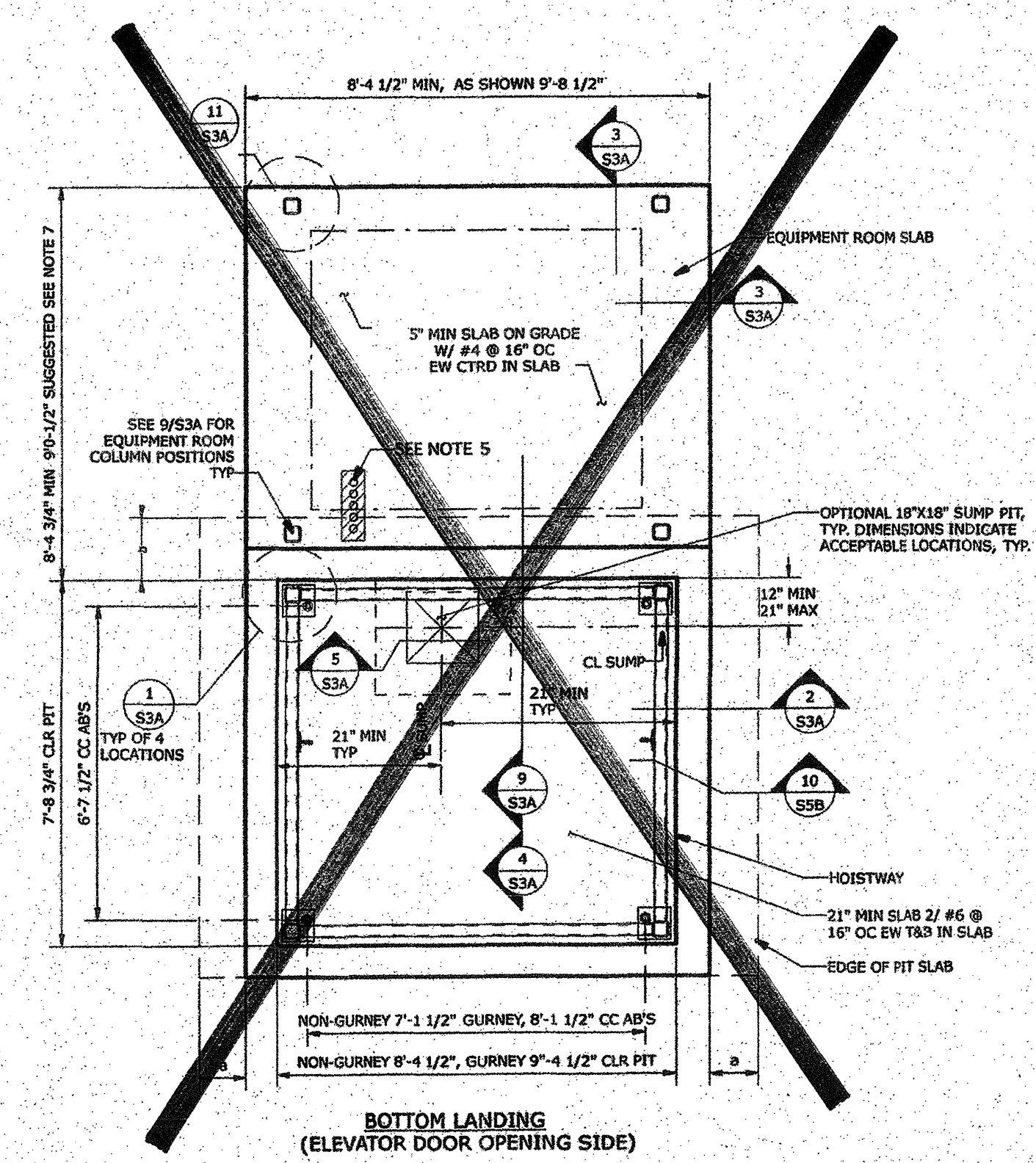
*BASIC UNFACTORED ALLOWABLE VALUE.
(1) Value allowed for Dead + Live Loads at -12" if no soil report.
(2) Value allowed for Dead + Live Loads at -12" when justified by a soil report.



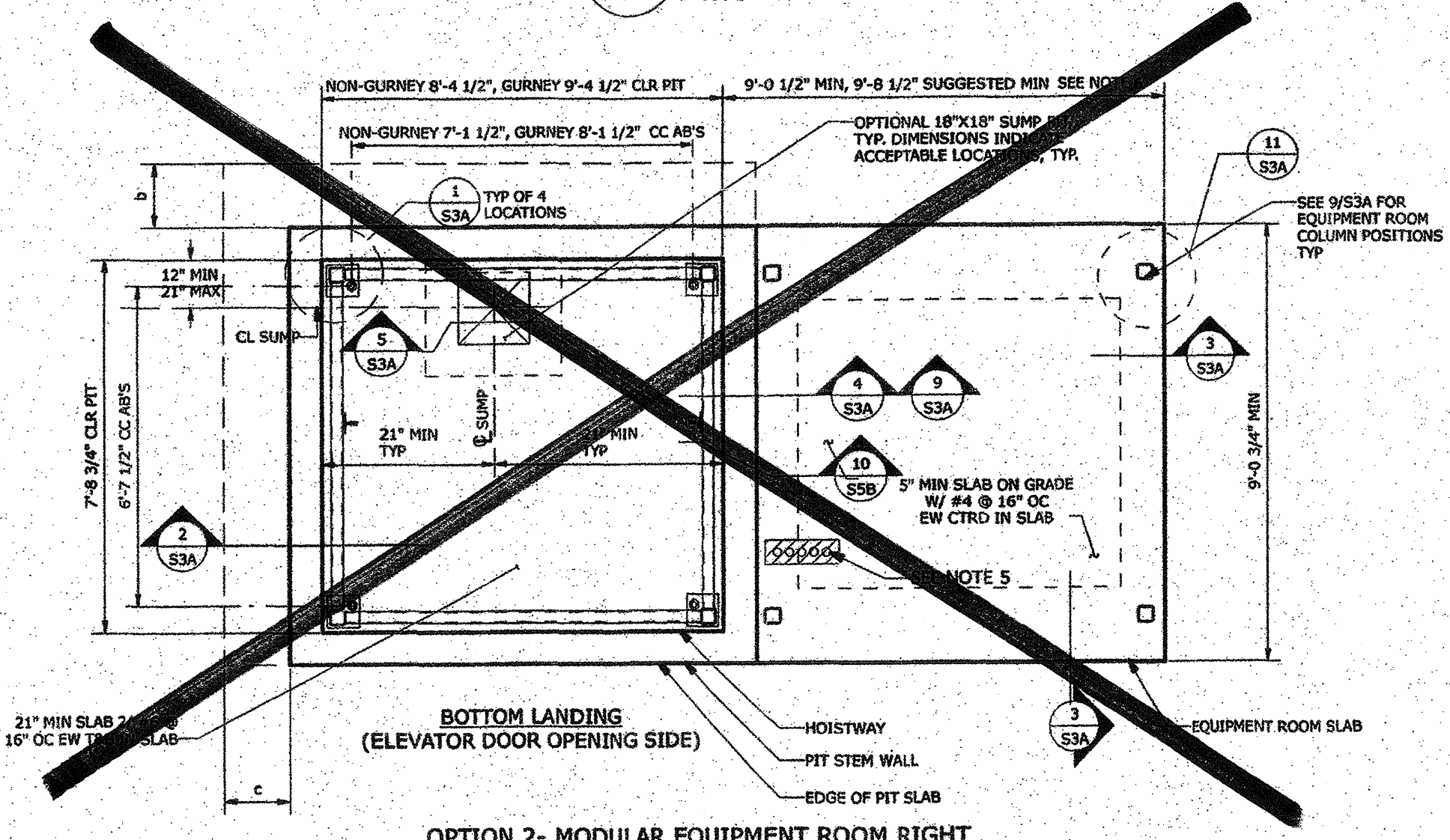
**OPTION 3 - EQUIPMENT ROOM LEFT
FOUNDATION PLAN**
S3 NTS



**OPTION 4 - REMOTE EQUIPMENT ROOM
FOUNDATION PLAN**
S3 NTS



**OPTION 1 - MODULAR EQUIPMENT ROOM REAR
FOUNDATION PLAN**
S3 NTS



**OPTION 2 - MODULAR EQUIPMENT ROOM RIGHT
FOUNDATION PLAN**
S3 NTS

- NOTES:**
- FOUNDATION CONSTRUCTION IS TO BE PERFORMED BY OTHERS AND IS NOT PART OF THE ELEVATOR CONTRACTOR'S WORK.
 - EQUIPMENT ROOM IS OPTIONAL AND MAY BE PROVIDED BY OTHERS.
 - GROUNDING OF STRUCTURES BY OTHERS.
 - EQUIPMENT ROOM SLAB MAY EXTEND BEYOND DIMENSIONS SHOWN. THICKENED FOOTINGS BELOW EQUIPMENT ROOM WALLS TO CONFORM TO DIMENSIONS SHOWN ON DETAIL 3/S3A.
 - CONTACT ELEVATOR CONTRACTOR FOR PERMISSIBLE ELECTRICAL SLUB UP LOCATIONS.
 - DIMENSION SHOWN IS FOR OPTION 1 ON 9/S3A. DIMENSION IS 8'-1 1/2" MIN AND 9'-4 1/2" SUGGESTED WHERE EQUIPMENT ROOM IS LOCATED PER OPTION 2 ON 9/S3A & 9'-3 1/2" MIN AND 9'-11 1/2" SUGGESTED WHERE EQUIPMENT ROOM IS LOCATED ATTACHED TO HOISTWAY PER OPTION 3 ON 9/S3A.
 - DIMENSION SHOWN IS FOR OPTION 1 ON 9/S3A. DIMENSION IS 8'-0 3/4" MINIMUM AND 8'-8 3/4" SUGGESTED WHERE EQUIPMENT ROOM IS LOCATED PER OPTION 2 ON 9/S3A AND 7'-7 3/4" MINIMUM AND 8'-5 3/4" SUGGESTED WHERE EQUIPMENT ROOM IS LOCATED ATTACHED TO HOISTWAY PER OPTION 3 ON 9/S3A.
 - PIT SLAB EXTENDS BEYOND EXTERIOR FACE OF WALL ON SIDES SHOWN. SEE TABLE 7/S3 FOR EXTENT.
 - ARCHITECT OR STRUCTURAL ENGINEER OF RECORD TO DETERMINE IF SOIL BEARING PRESSURES GREATER THAN 1500 PSF (UNFACTORED) AND LATERAL PASSIVE RESISTANCE PRESSURES GREATER THAN 150 PSF (UNFACTORED) ARE ALLOWABLE. PIT SLAB EXTENSIONS AS SHOWN IN TABLE 7/S3 FOR 1500 PSF BEARING PRESSURE AND 150 PCF PASSIVE PRESSURE SHALL BE USED IF AN ACCEPTABLE SOIL INVESTIGATION REPORT IS NOT AVAILABLE THAT RECOMMENDS GREATER SOIL RESISTANCE VALUES.

NO.	DATE	REVISION

Kenneth A. Lohr
REGISTERED PROFESSIONAL ENGINEER
No. 1418
EXP. 3-31-09 / 11
Structural Engineer
THESE DRAWINGS ARE PRELIMINARY
AND NOT FOR CONSTRUCTION PURPOSES
UNLESS STAMPED & SIGNED BY THE ENGINEER
OF RECORD.

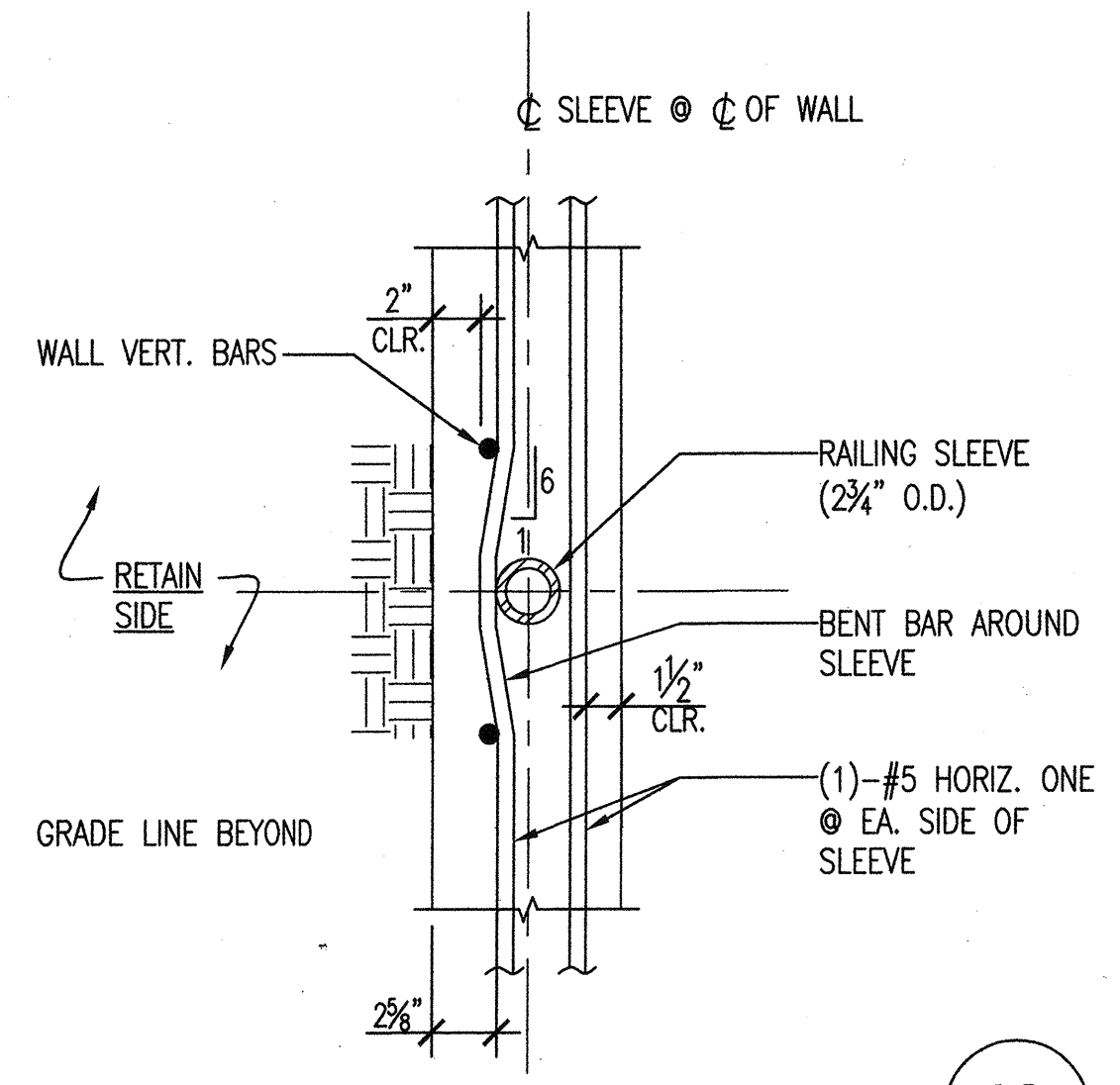
**MODULAR ELEVATOR
MANUFACTURING, INC.**
P.O. BOX 3998
CHATSWORTH, CA. 91313
866-926-9083

PROJECT NO:
DATE: 4/17/08
ENGINEERED BY:
DRAWN BY: KPM

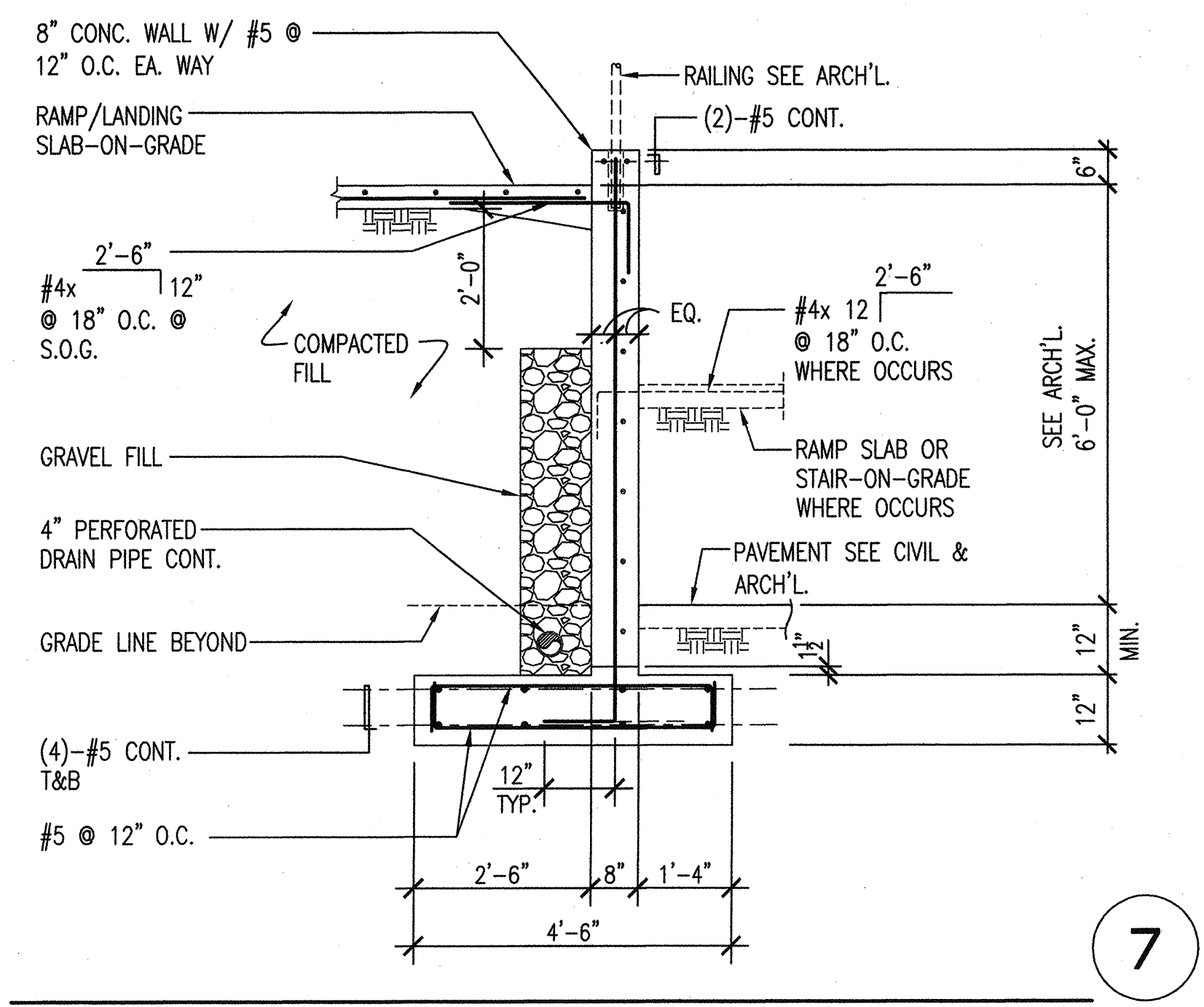
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**FOUNDATION PLAN
OPTIONS**

SHEET NO:
S3

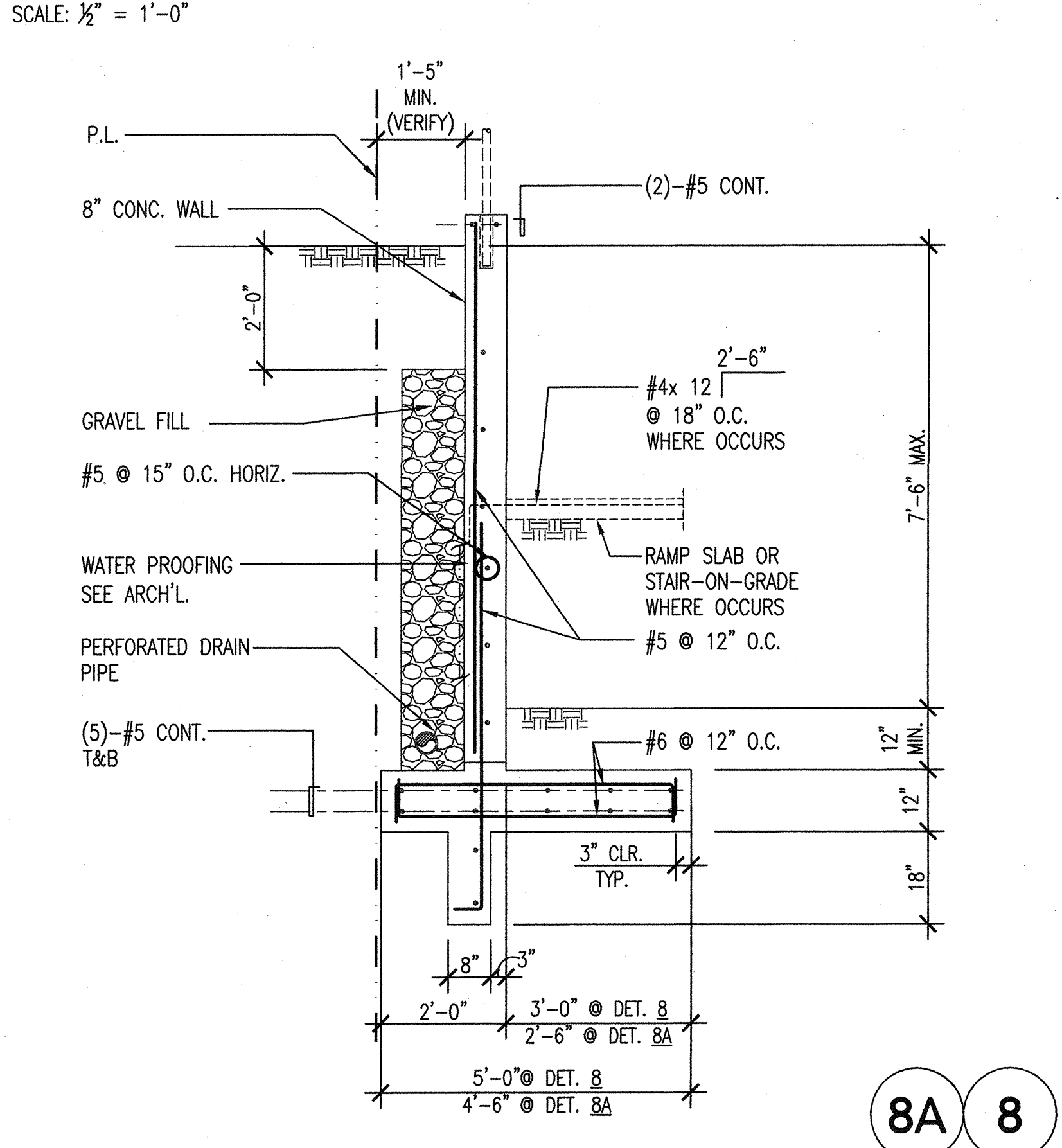
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-109579
DATE: 7/1/08



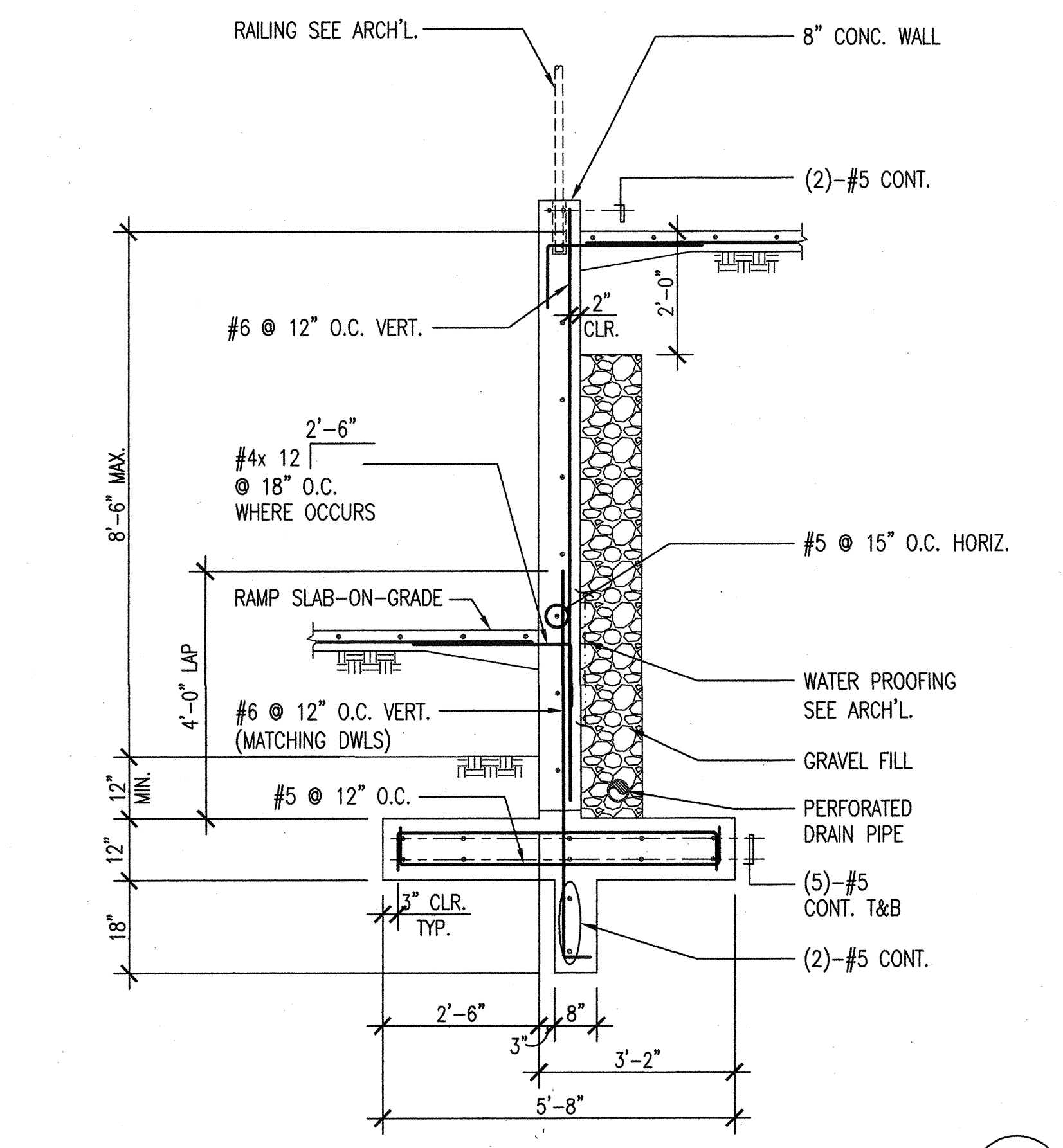
TYP. PLAN @ RAILING POST @ TOP OF WALL 10



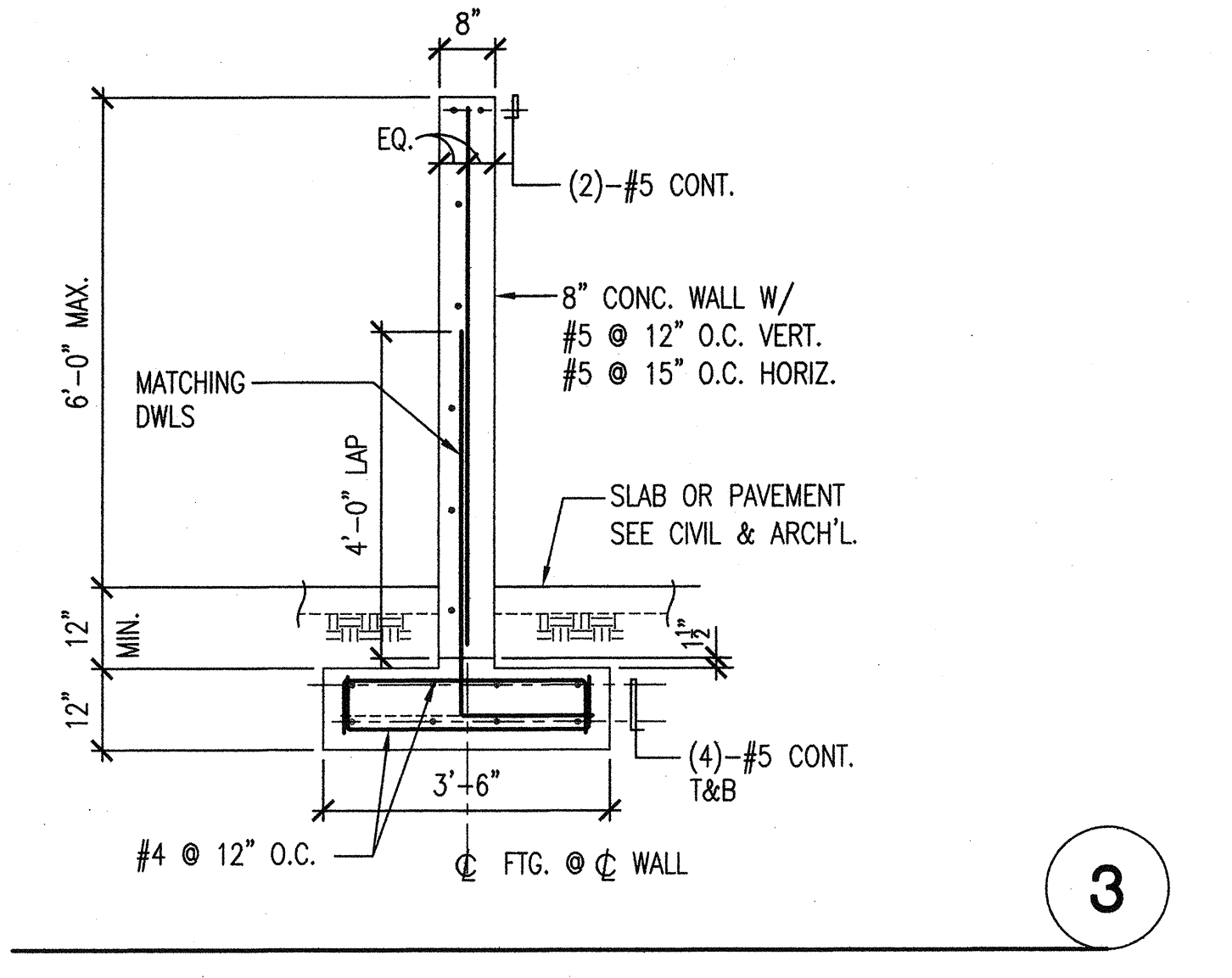
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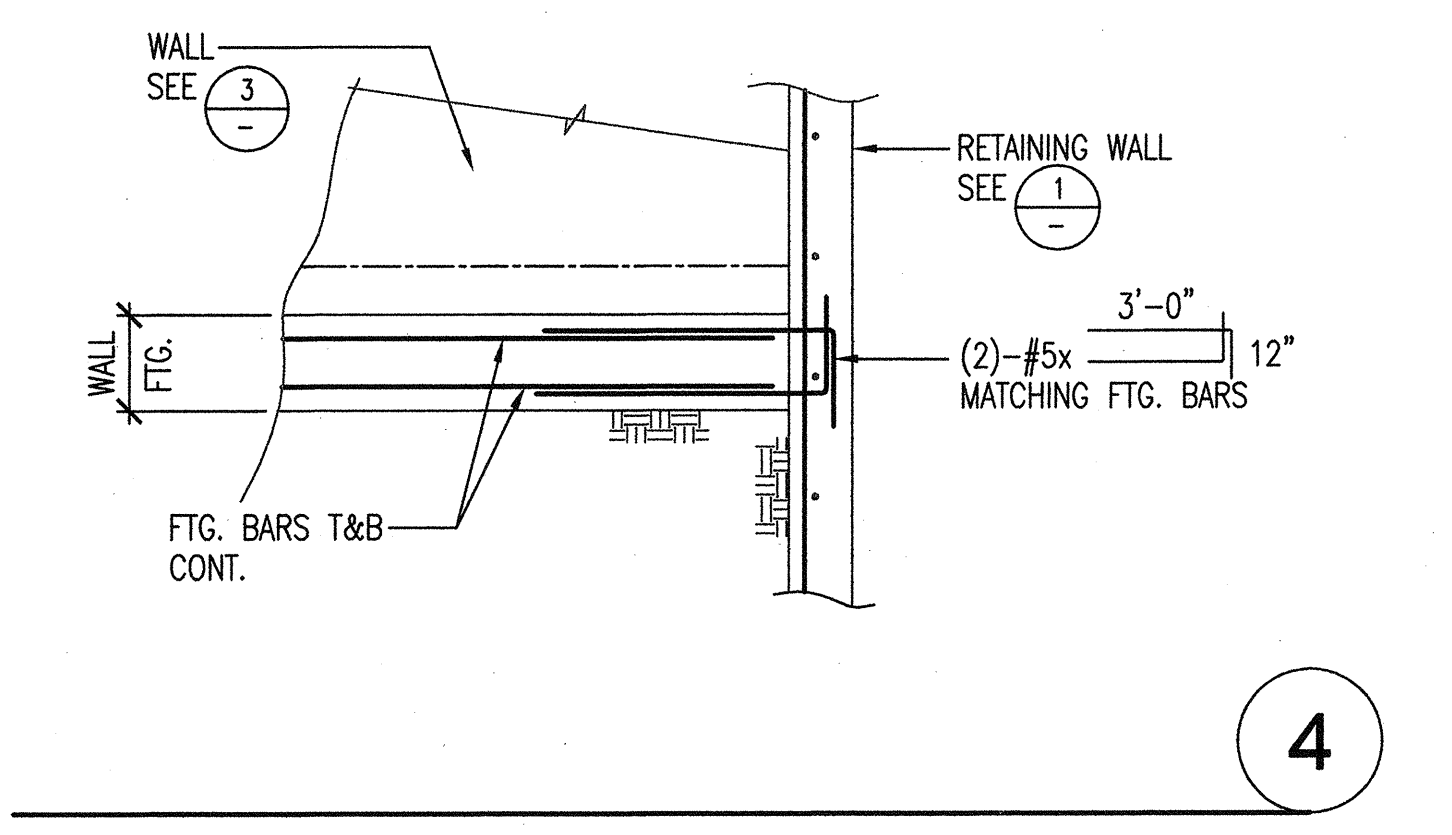
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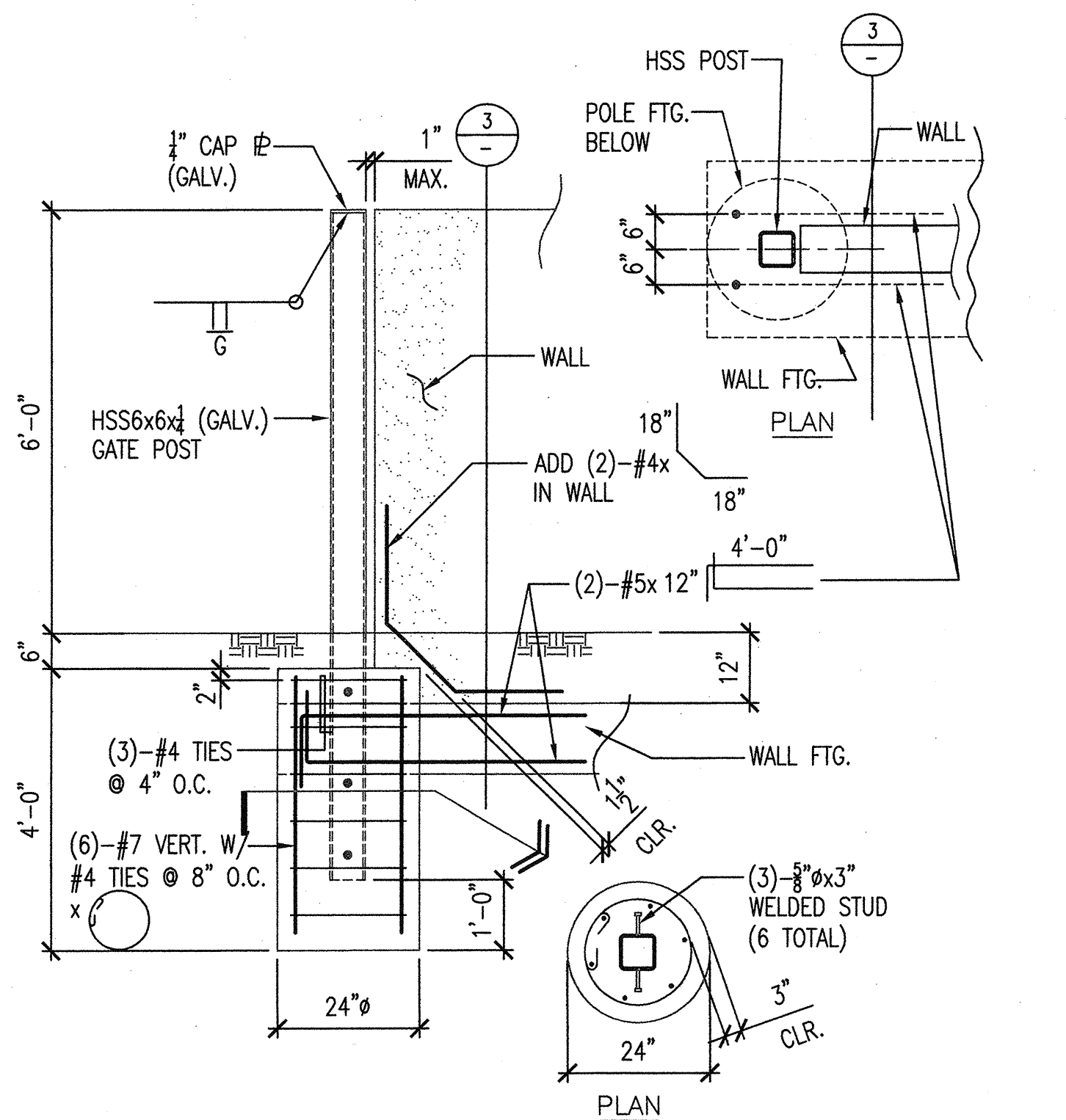
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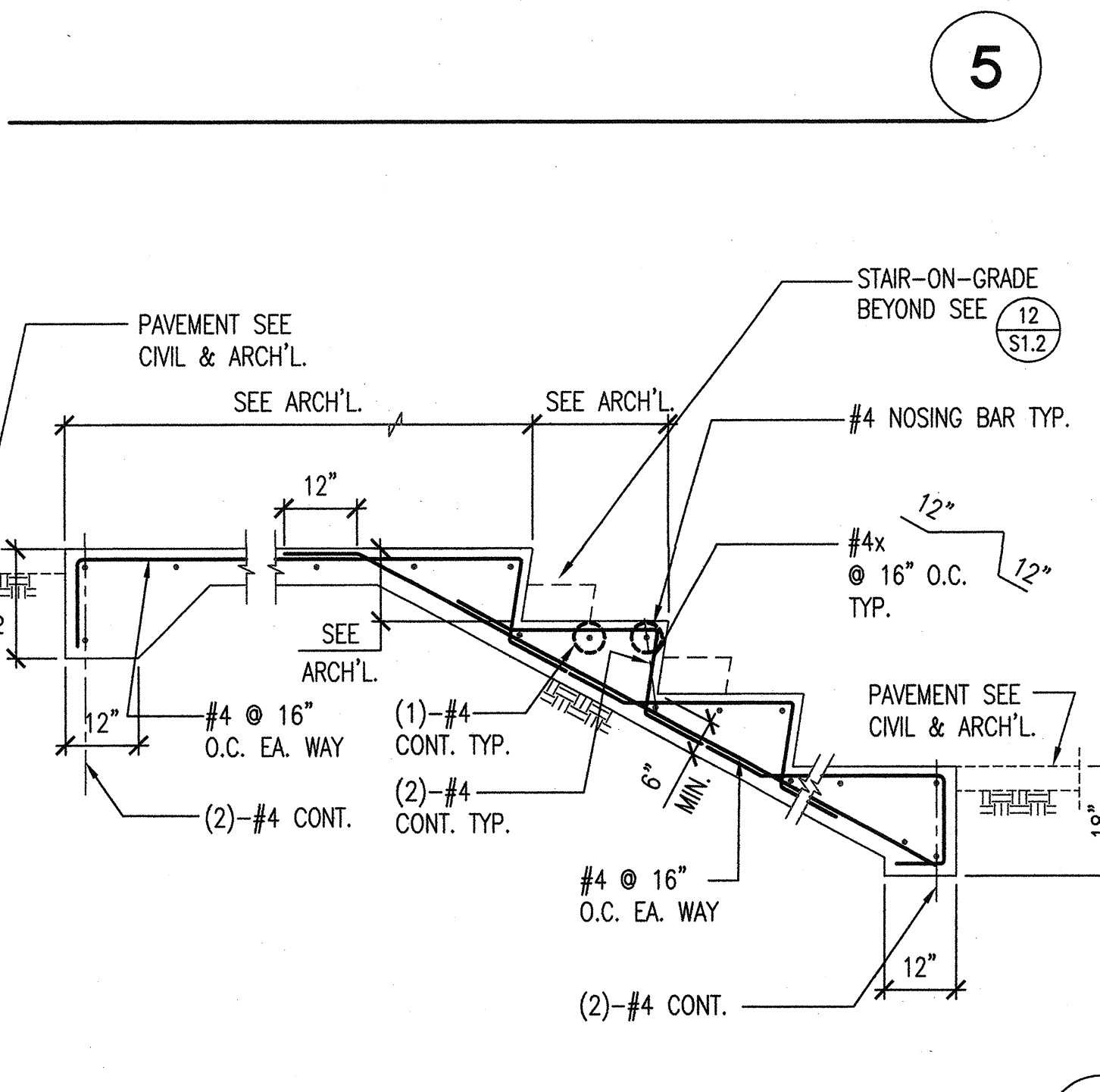
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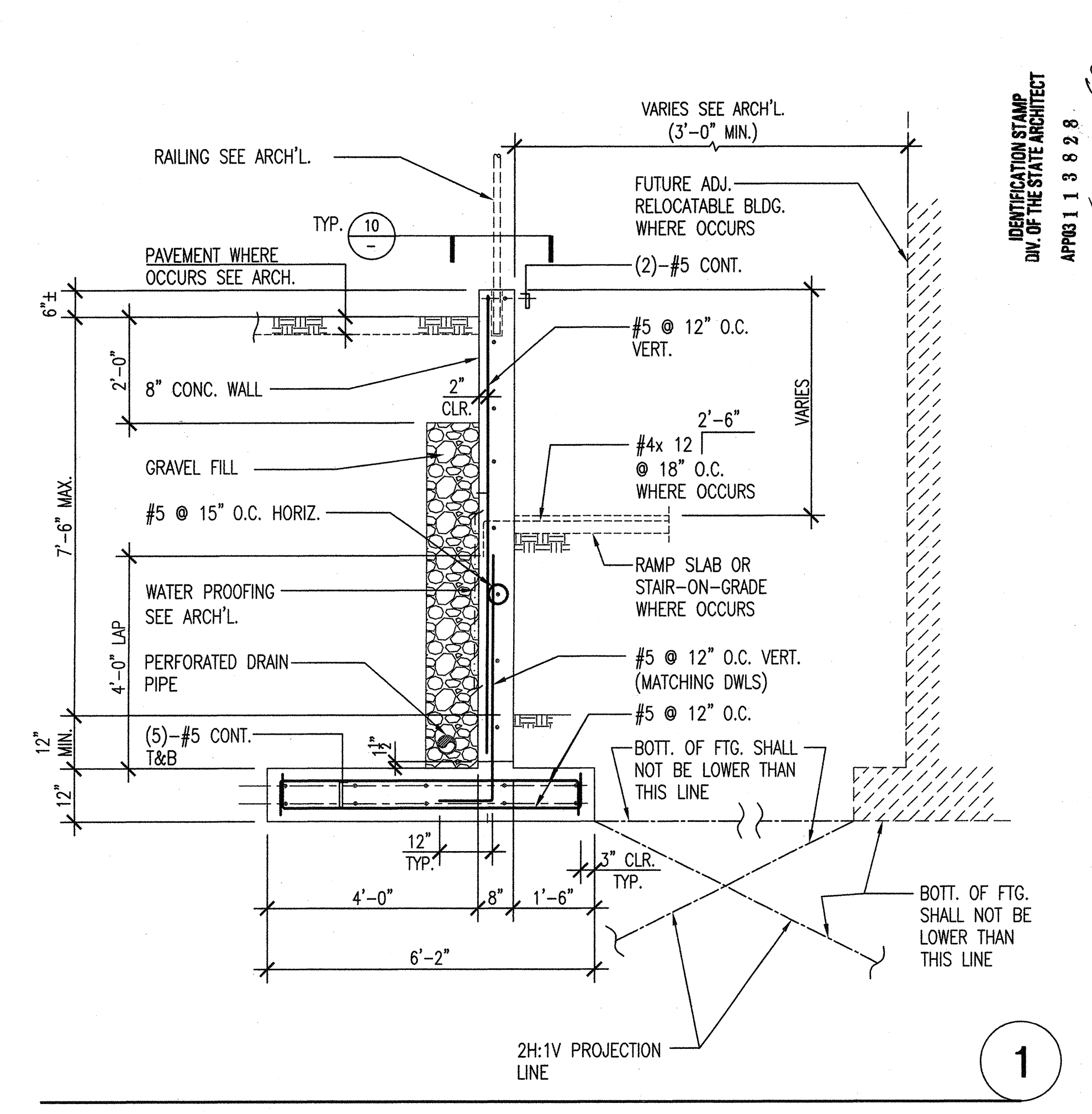
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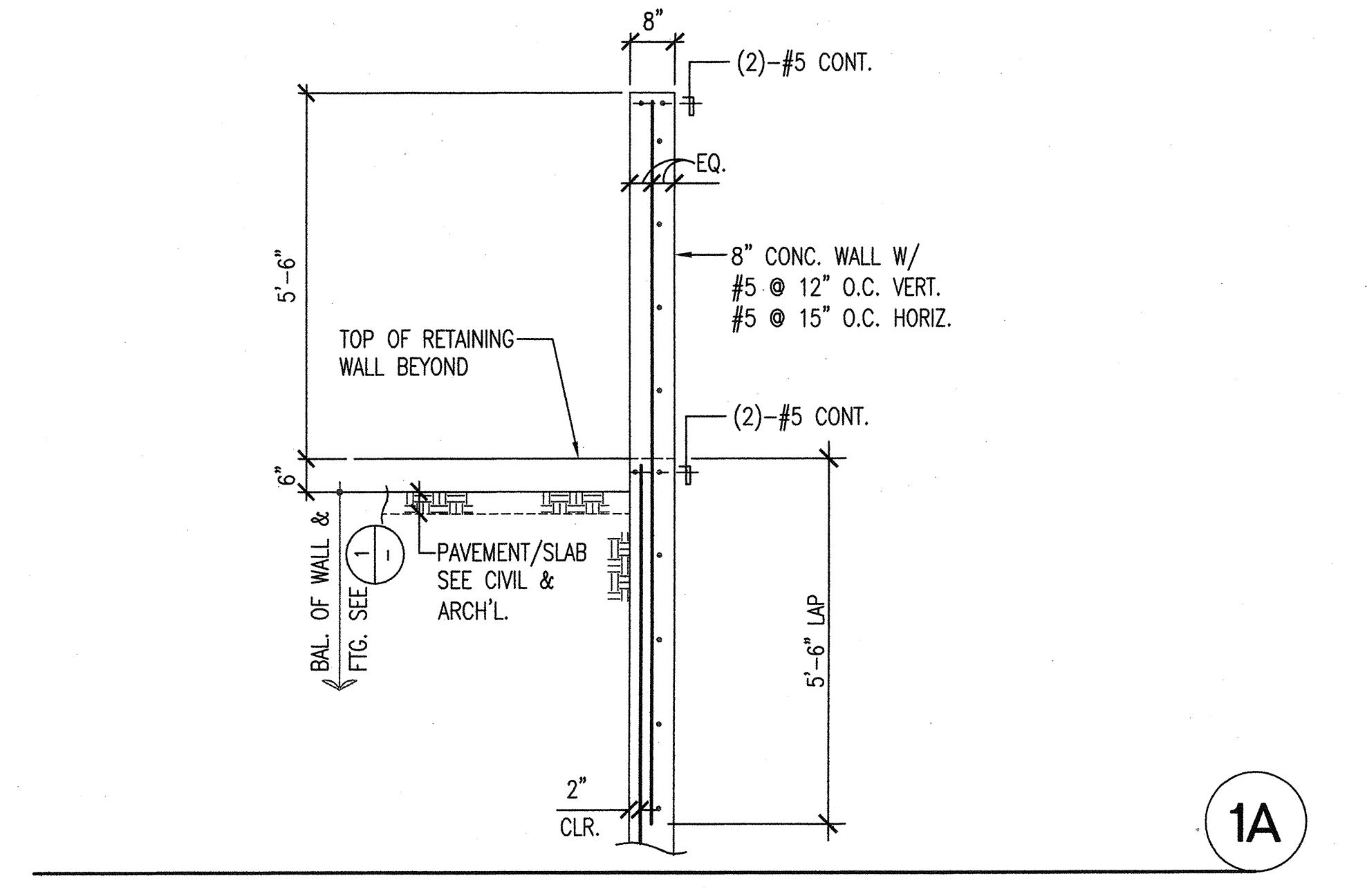
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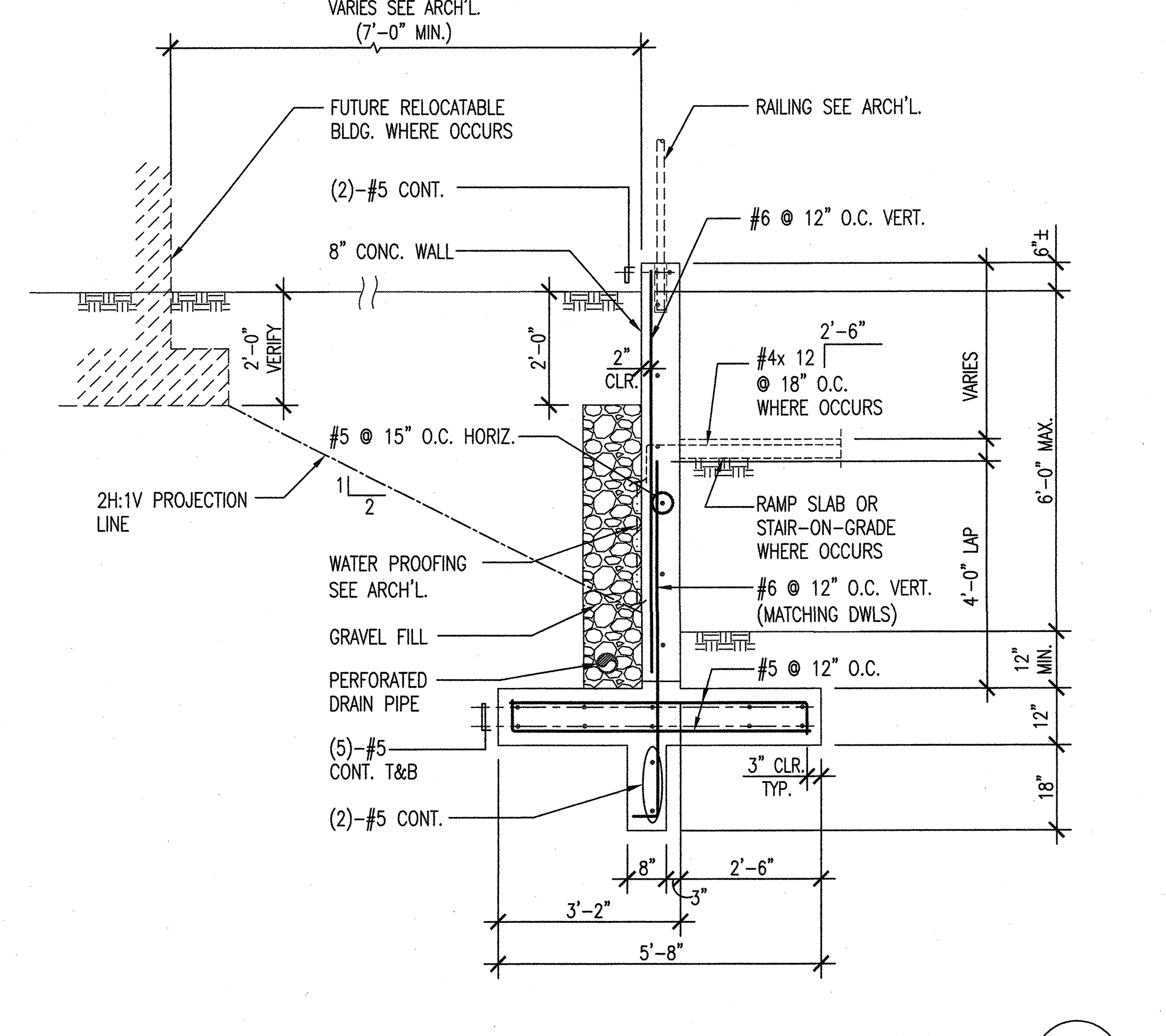
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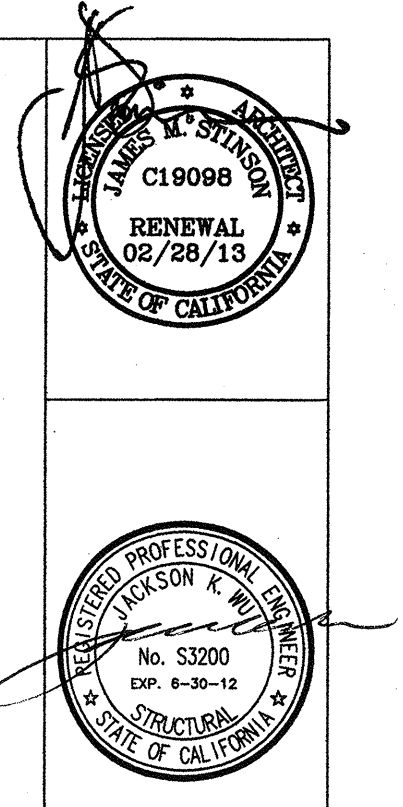


1A



2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 11 1988
A.C. FISHER
DATE: JUL 16 2011



J. J. YEH & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL ARCHITECT
1887 BUSINESS CENTER DRIVE SUITE 3
GLENDALE, CA 91201
TEL: 951-890-2133 FAX: 951-890-2644

REVISION	DATE	BY	DESCRIPTION

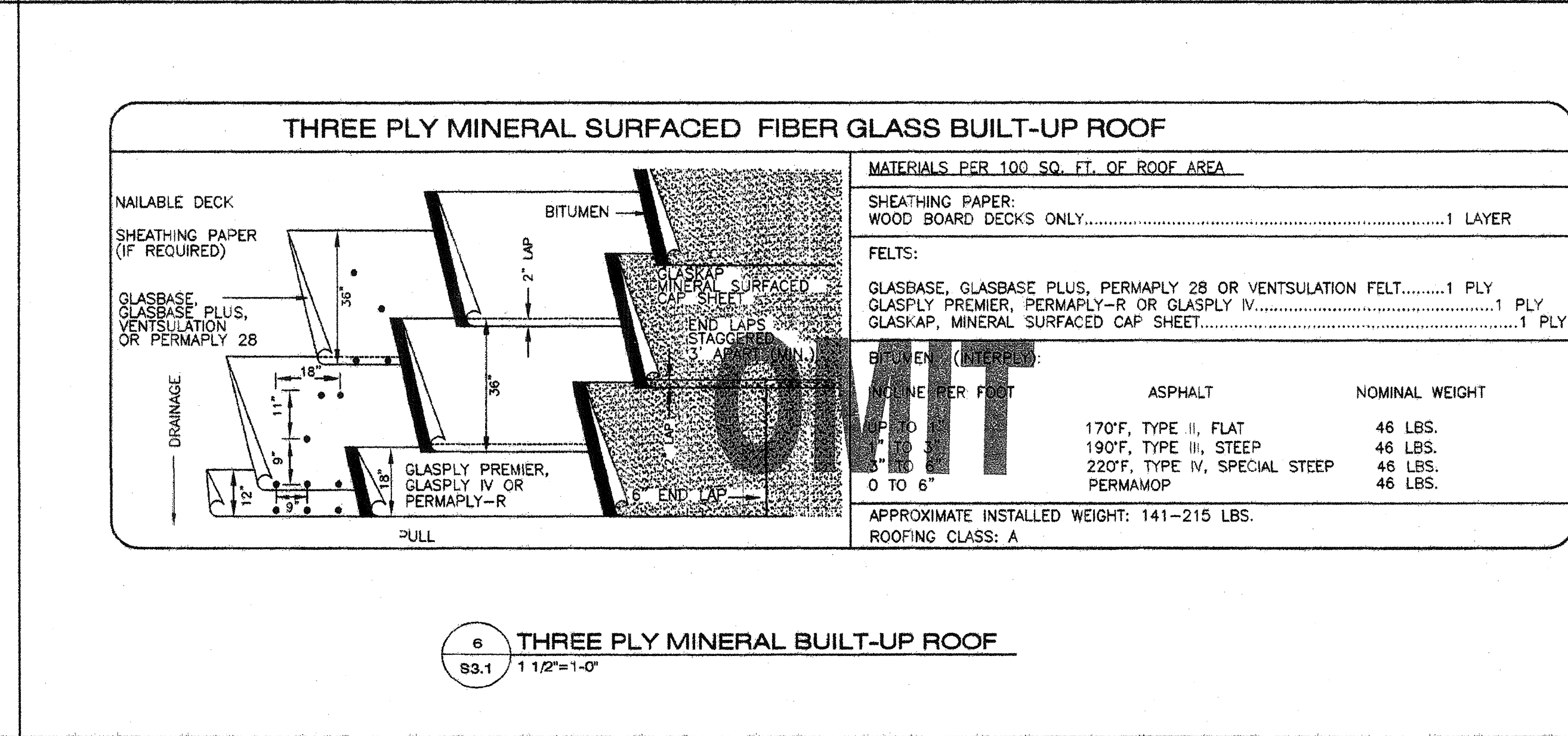
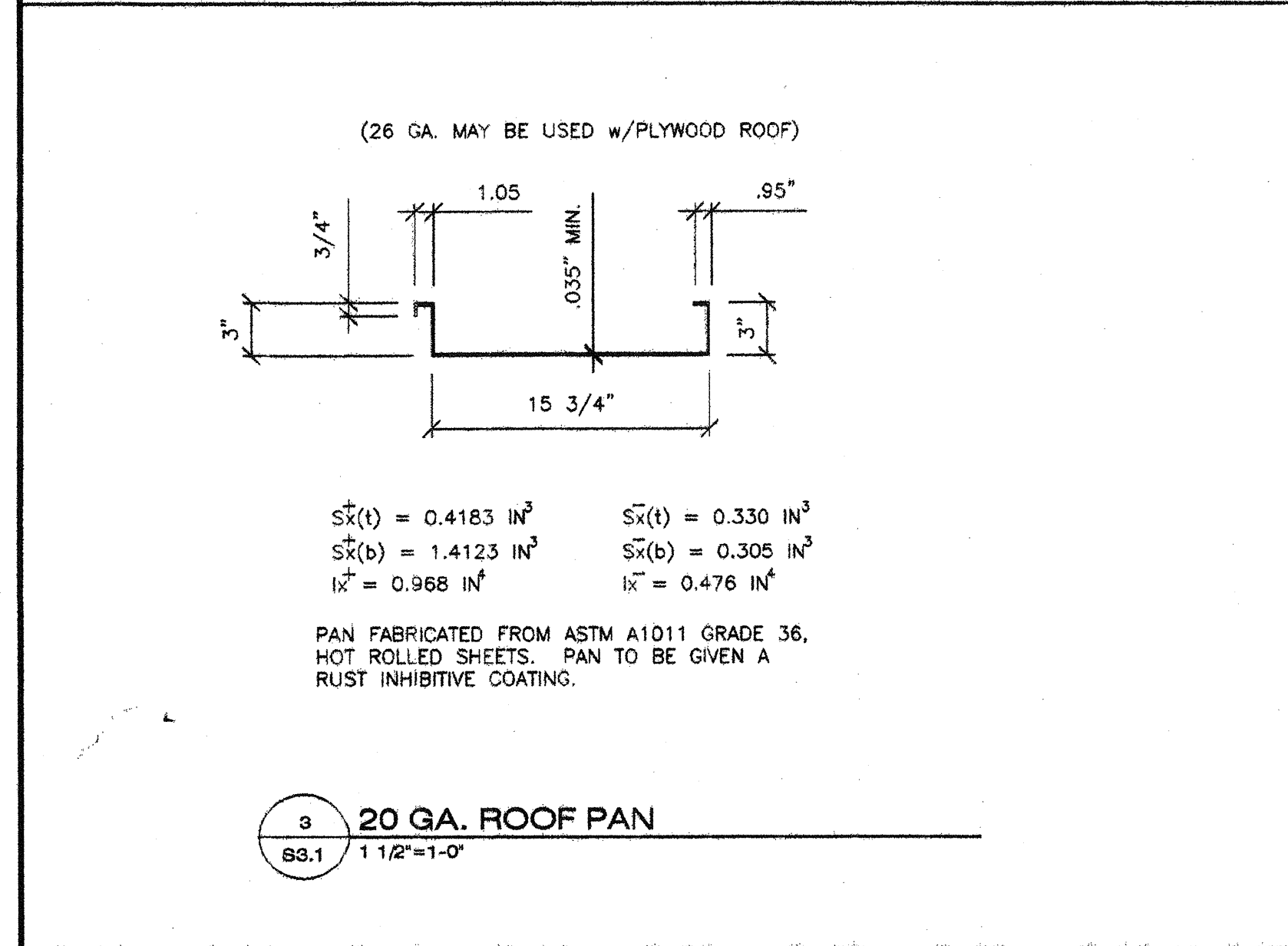
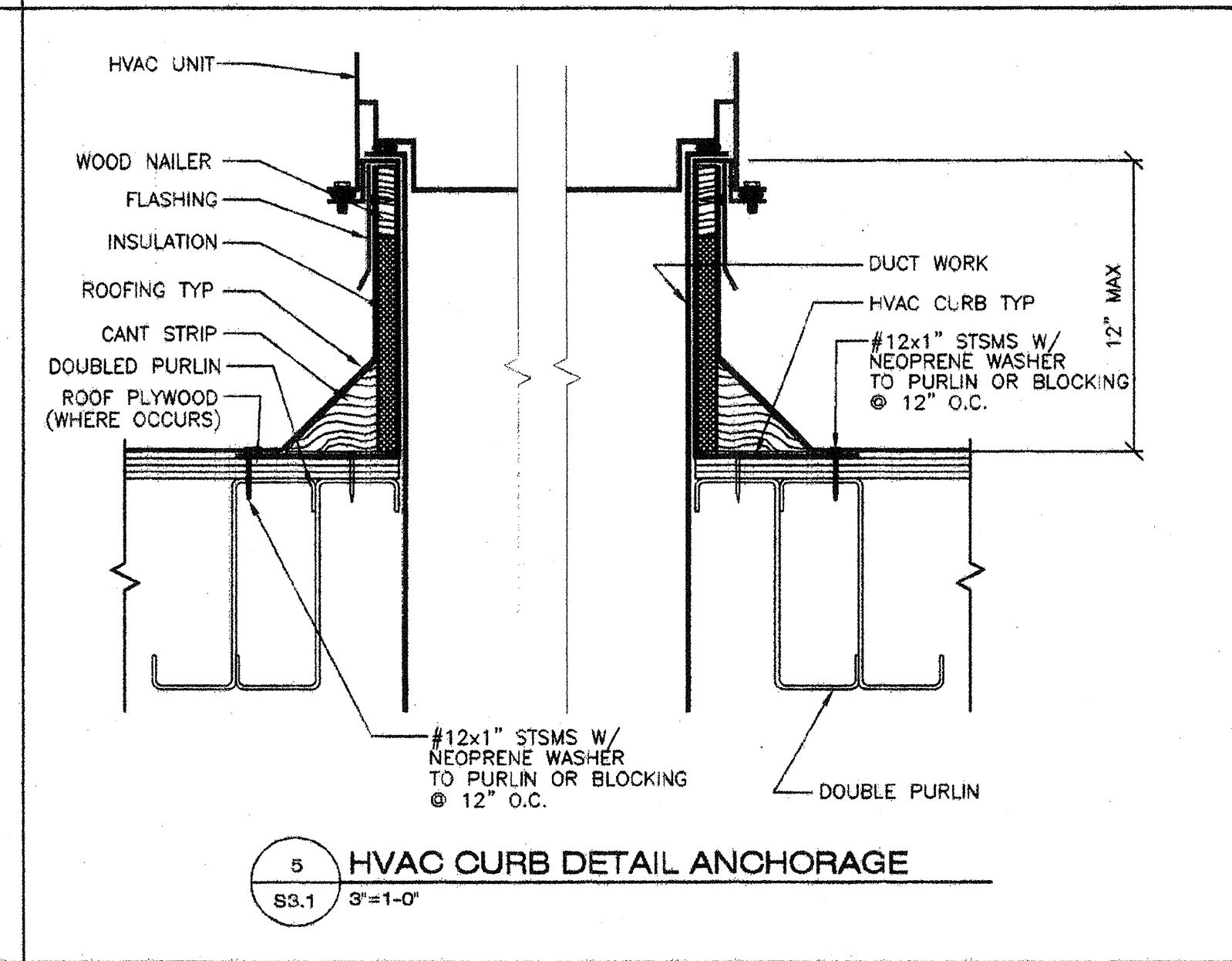
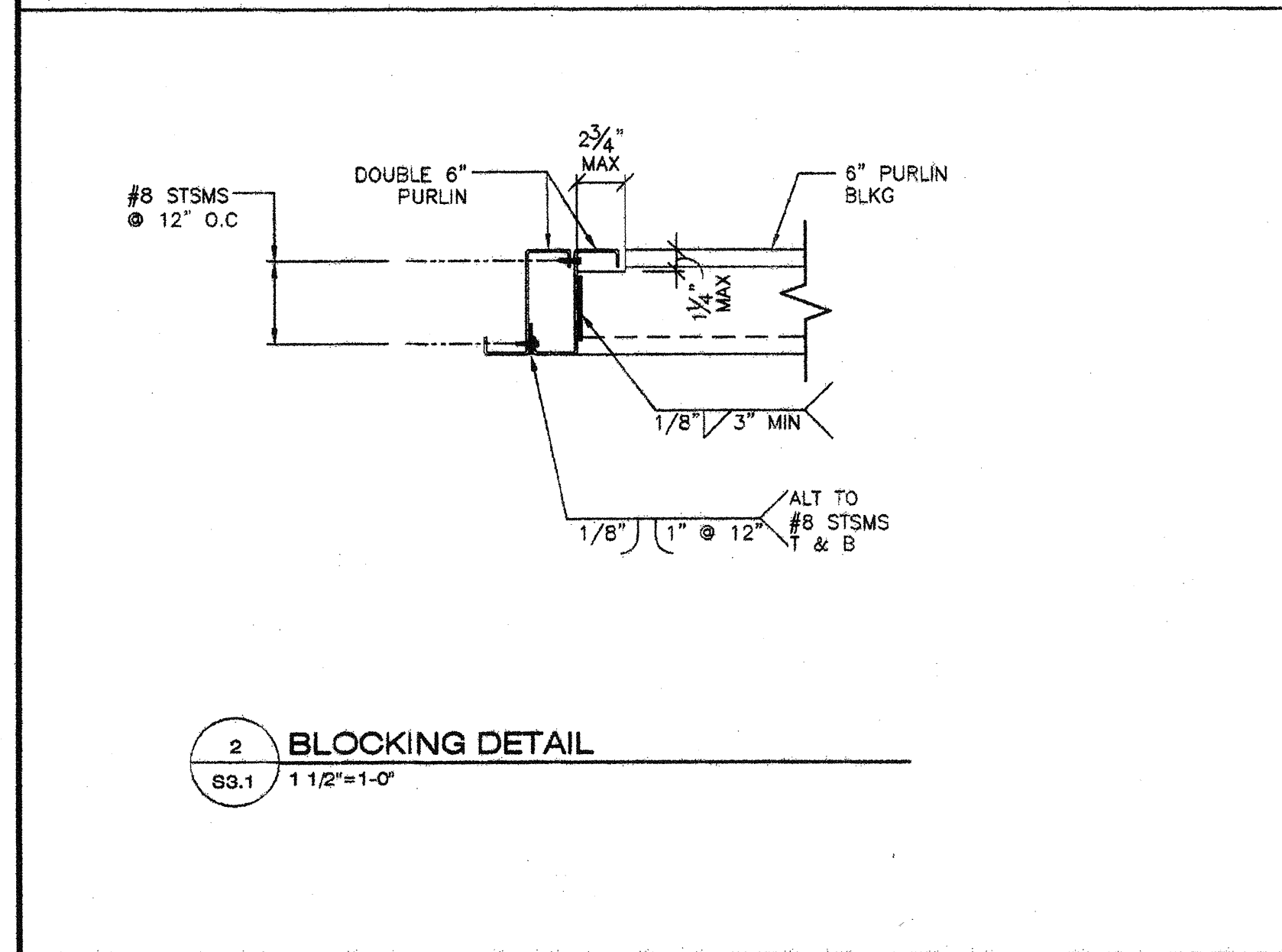
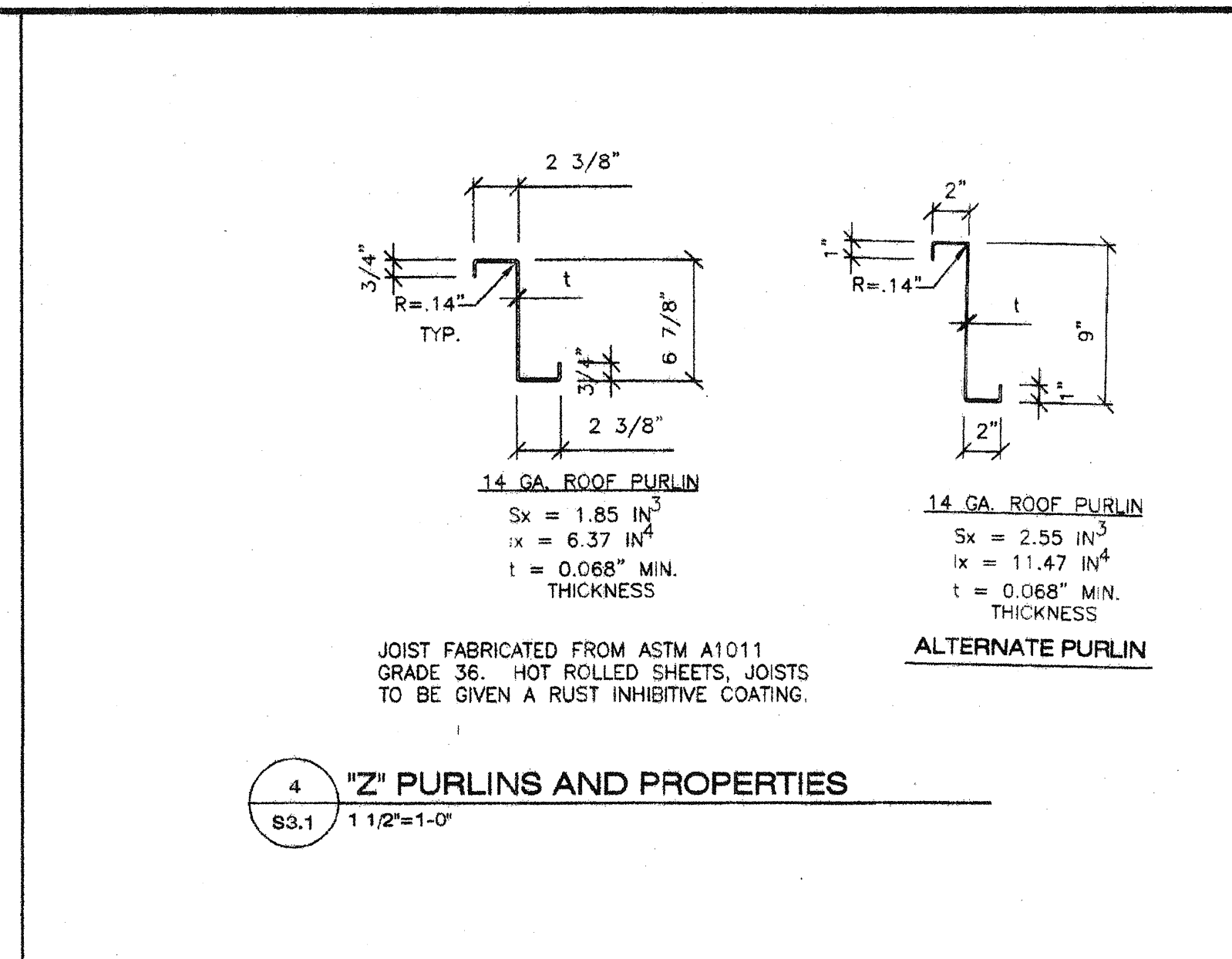
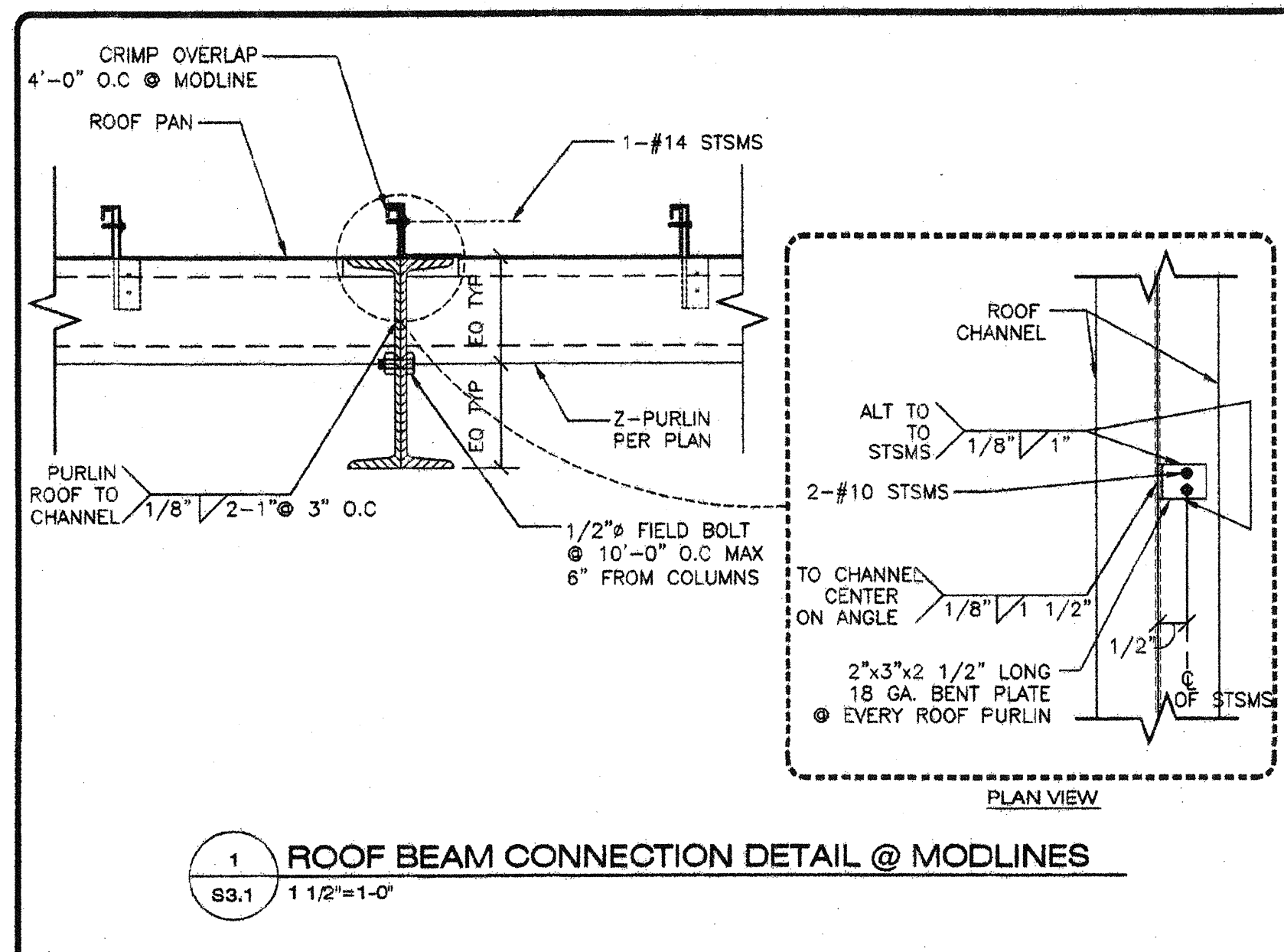
PSWC Group
PLANNING
INTERIOR DESIGN
1887 BUSINESS CENTER DRIVE SUITE 3
GLENDALE, CA 91201
TEL: 951-890-2133 FAX: 951-890-2644

KEPPEL ELEMENTARY SCHOOL
2 STORY CLASSROOM ADDITION
GLENDALE UNIFIED SCHOOL DISTRICT
700 GLENWOOD RD., GLENDALE, CA 91201

DETAILS

JOB NO. P674
DRAWN BY J.Y.
DATE 08-13-11

S-3.1



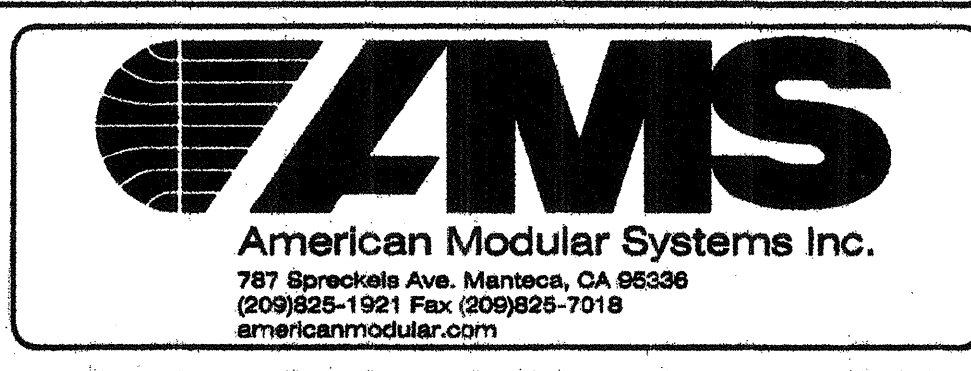
- GENERAL NOTES -

1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 01-01-09
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
 ROOF FRAMING DETAILS



APPROVALS:
 THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS SIGNED & SEALED BY THE ENGINEER OF RECORD.

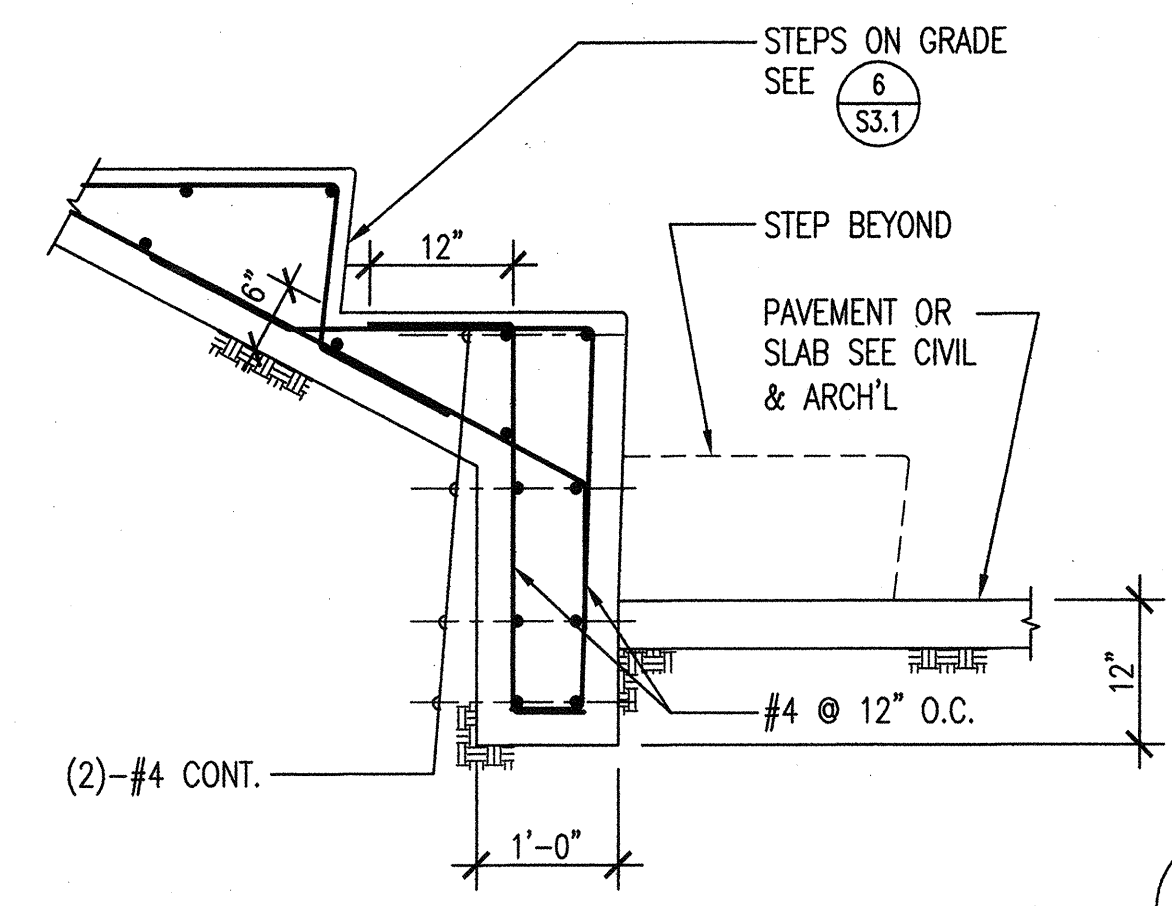
Professional Engineer Seal

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP03 1 1 3 8 2 8
 AC: FLS SS 10
 DATE: JUL 0 6 2011

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 PC 02-110984
 AC: FLS SS 20
 DATE: 12/9/09

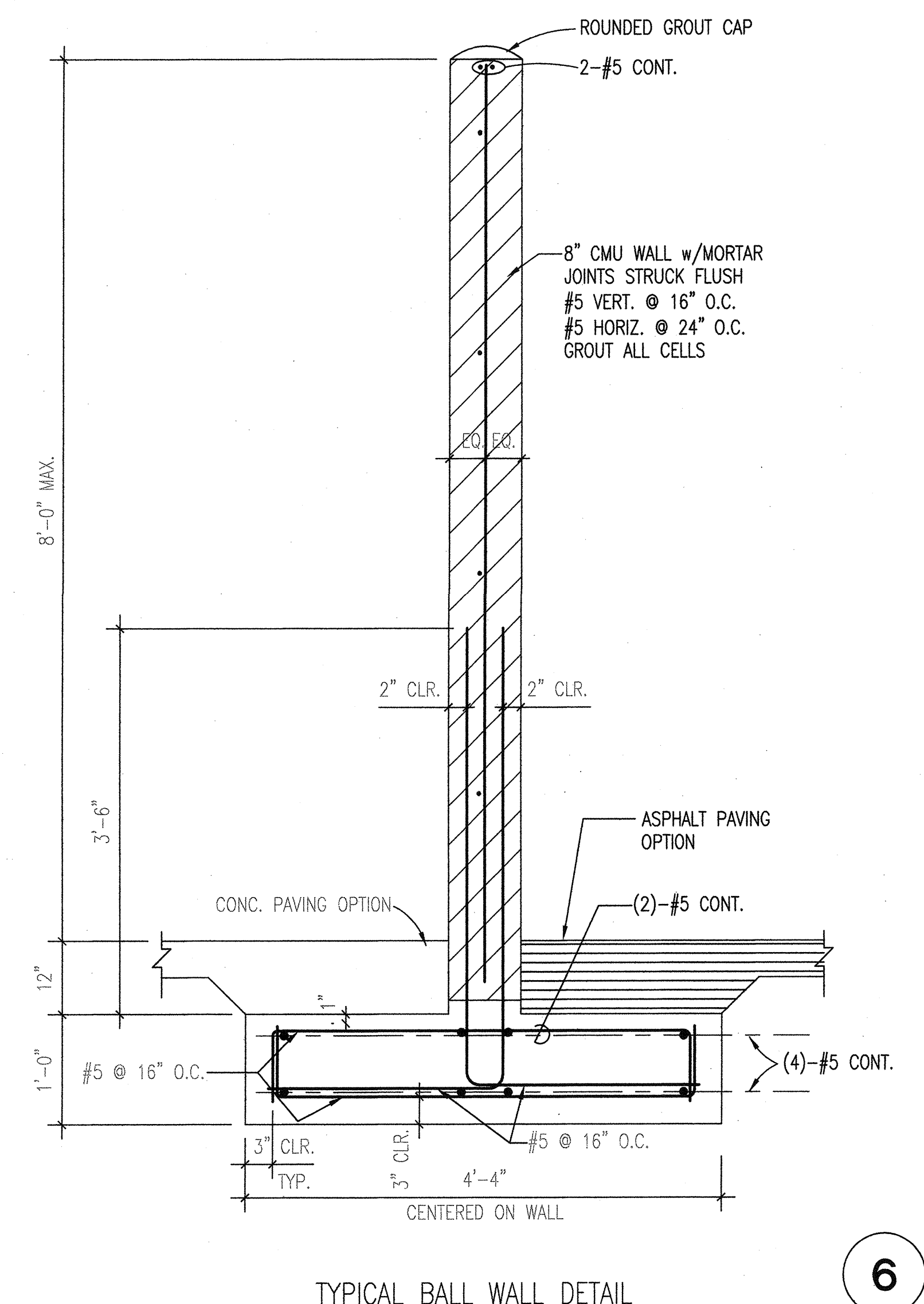
S3.1

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS AND ARE NOT TO BE REPRODUCED, COPIED OR LOANED IN ANY FORM OR MANNER, AND ARE NOT TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN APPROVAL OF AMERICAN MODULAR SYSTEMS.



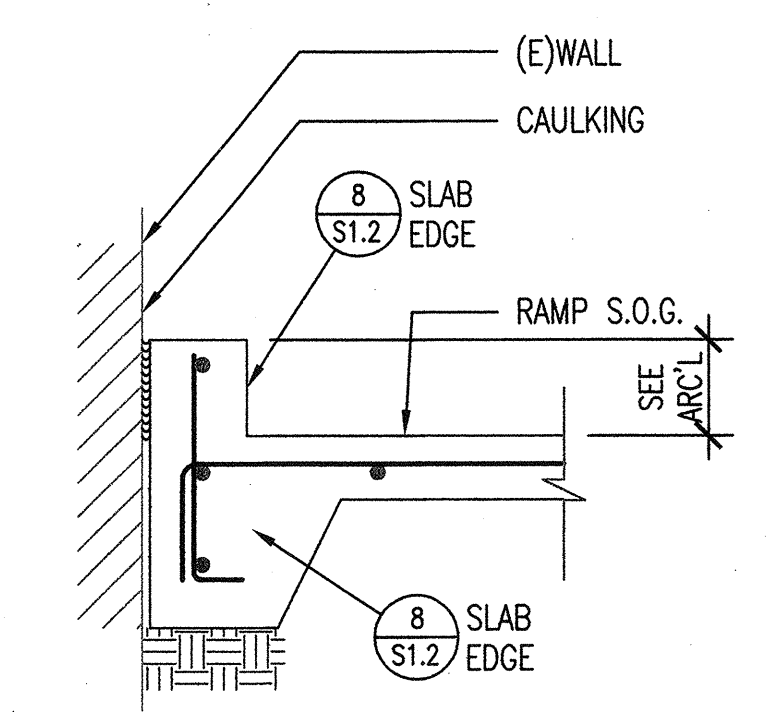
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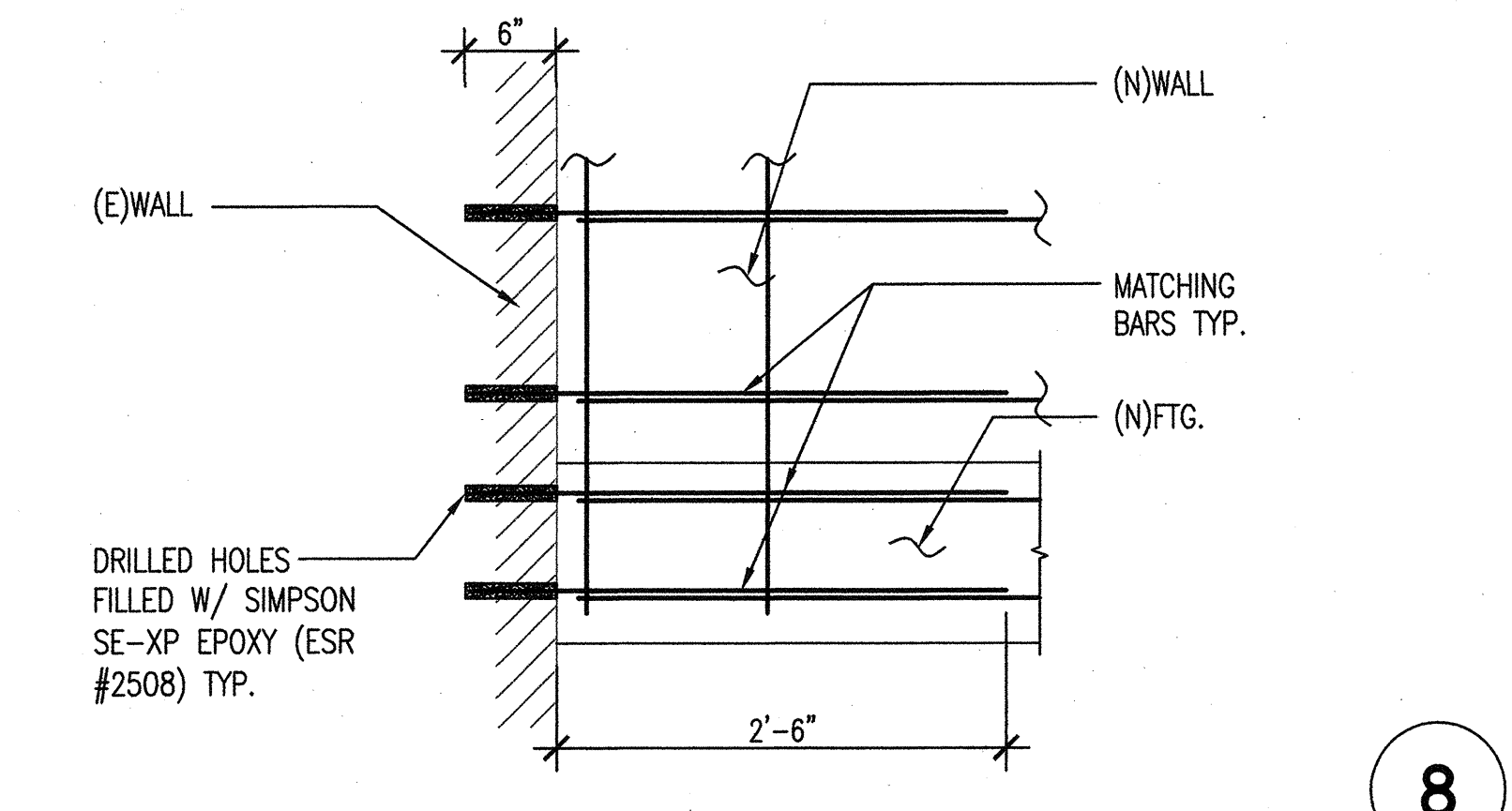
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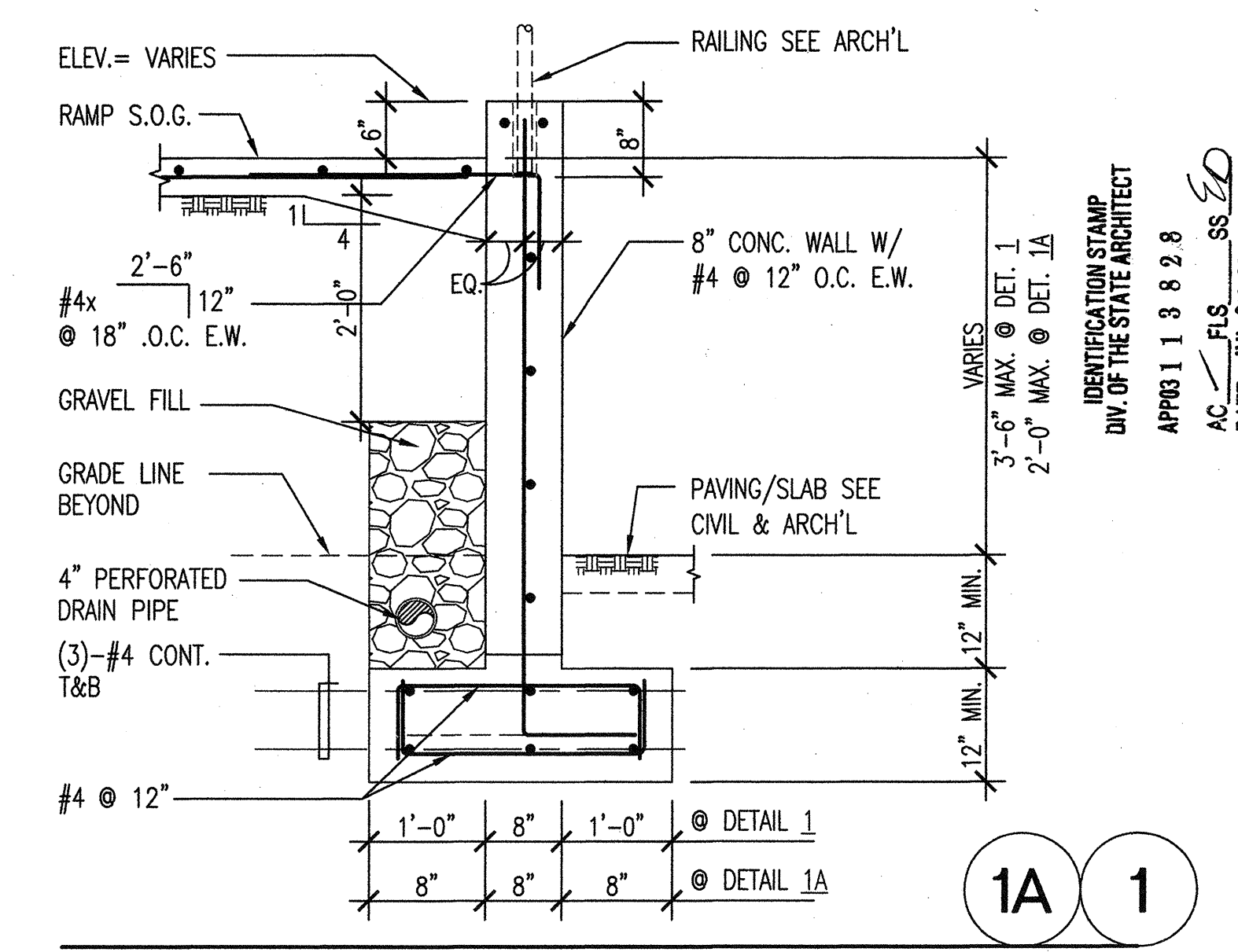
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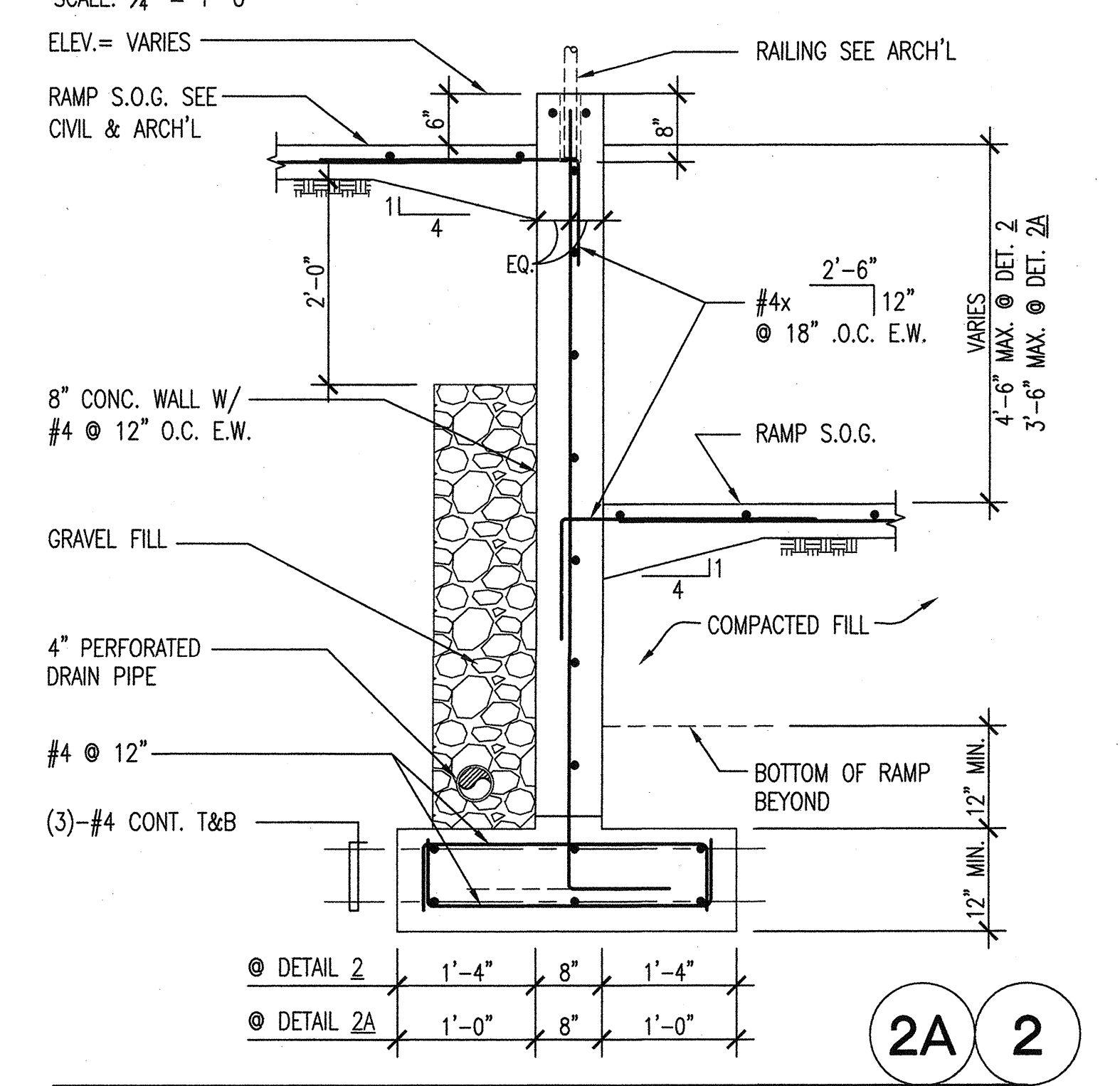
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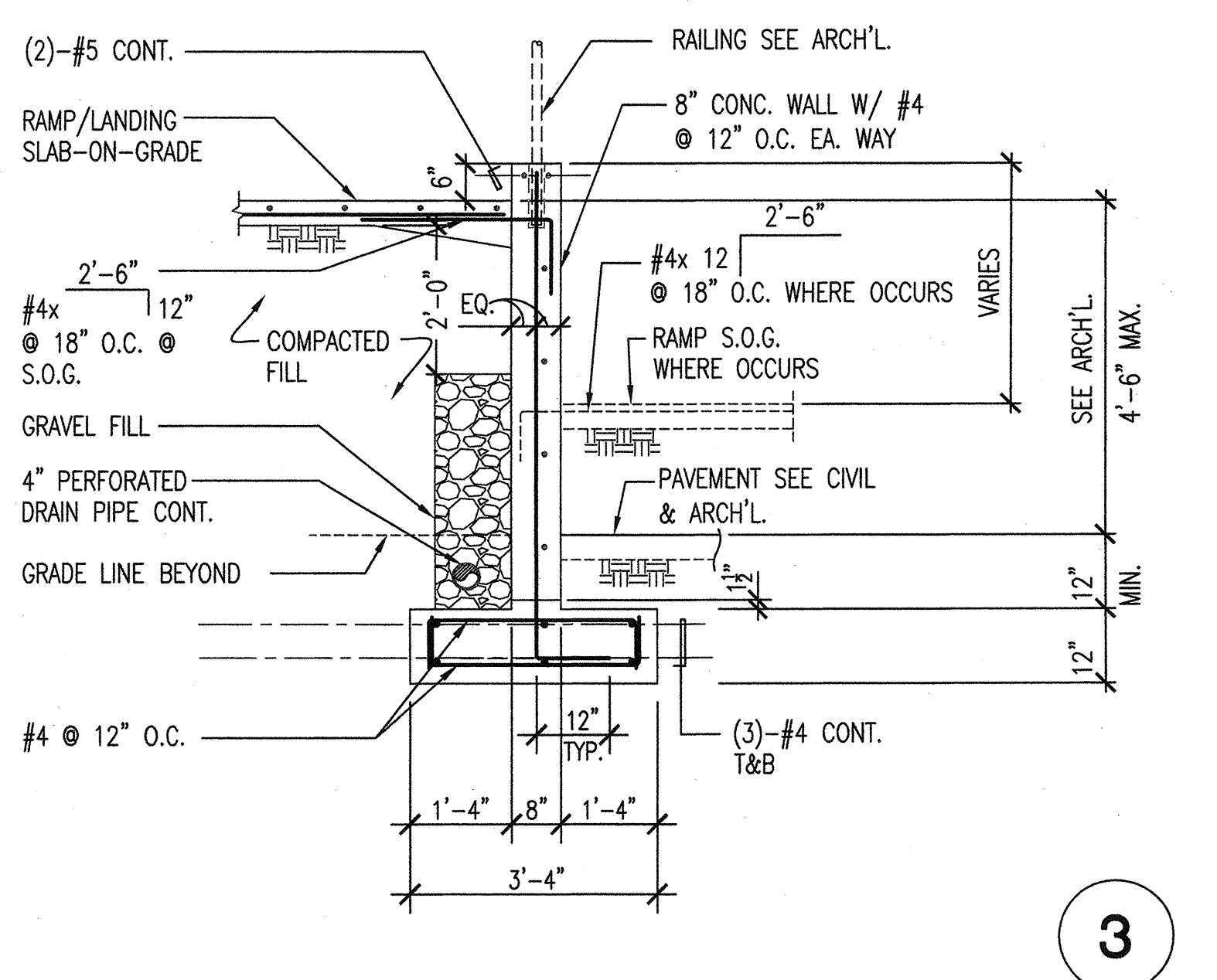
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1A 1



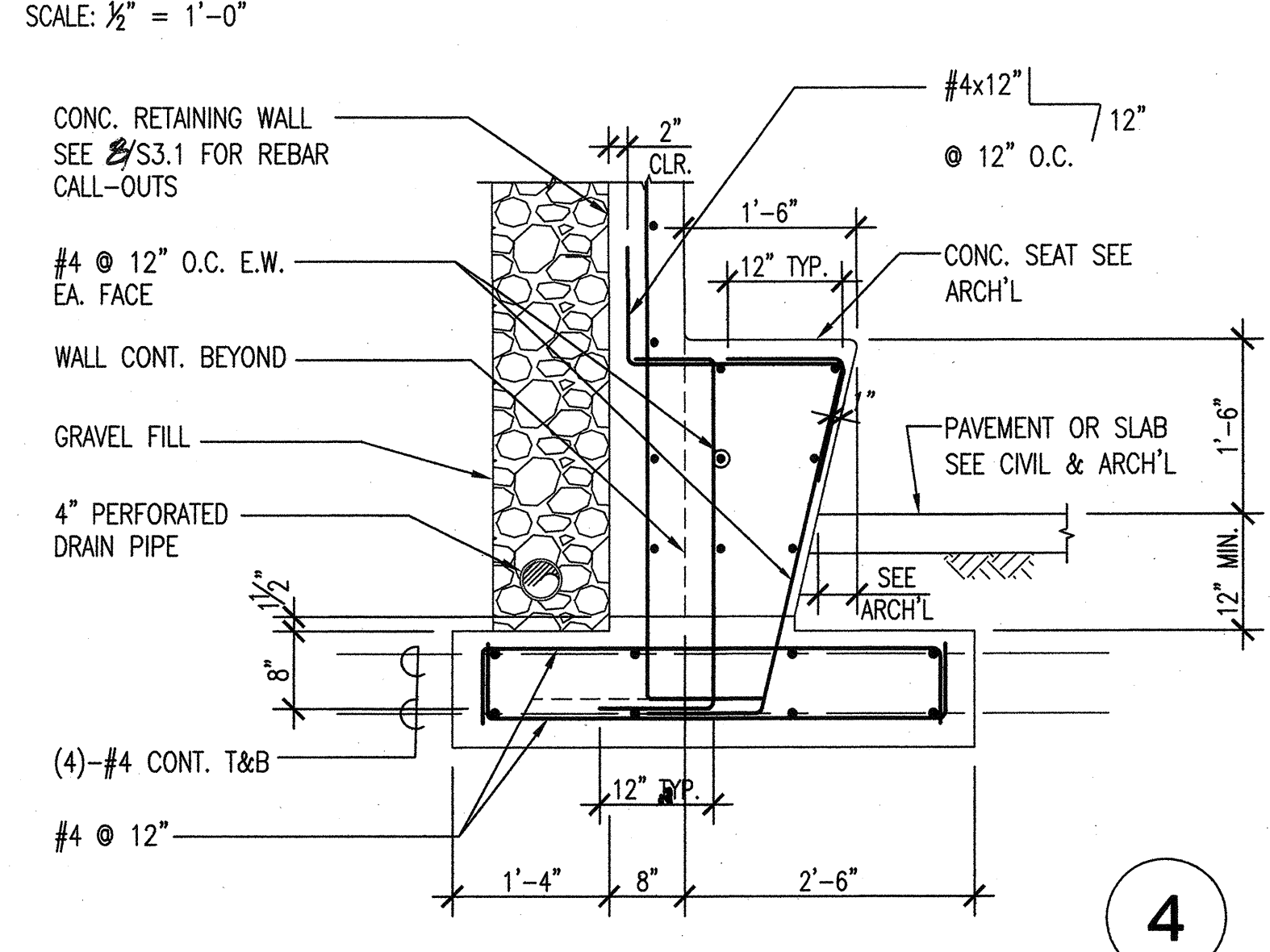
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2A 2



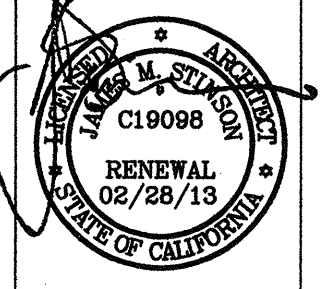
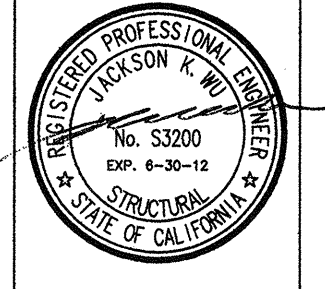
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3



SCALE: 3/4" = 1'-0"

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IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 118898
 AC. PLAN SS. ED
 DATE JUL 15 2011

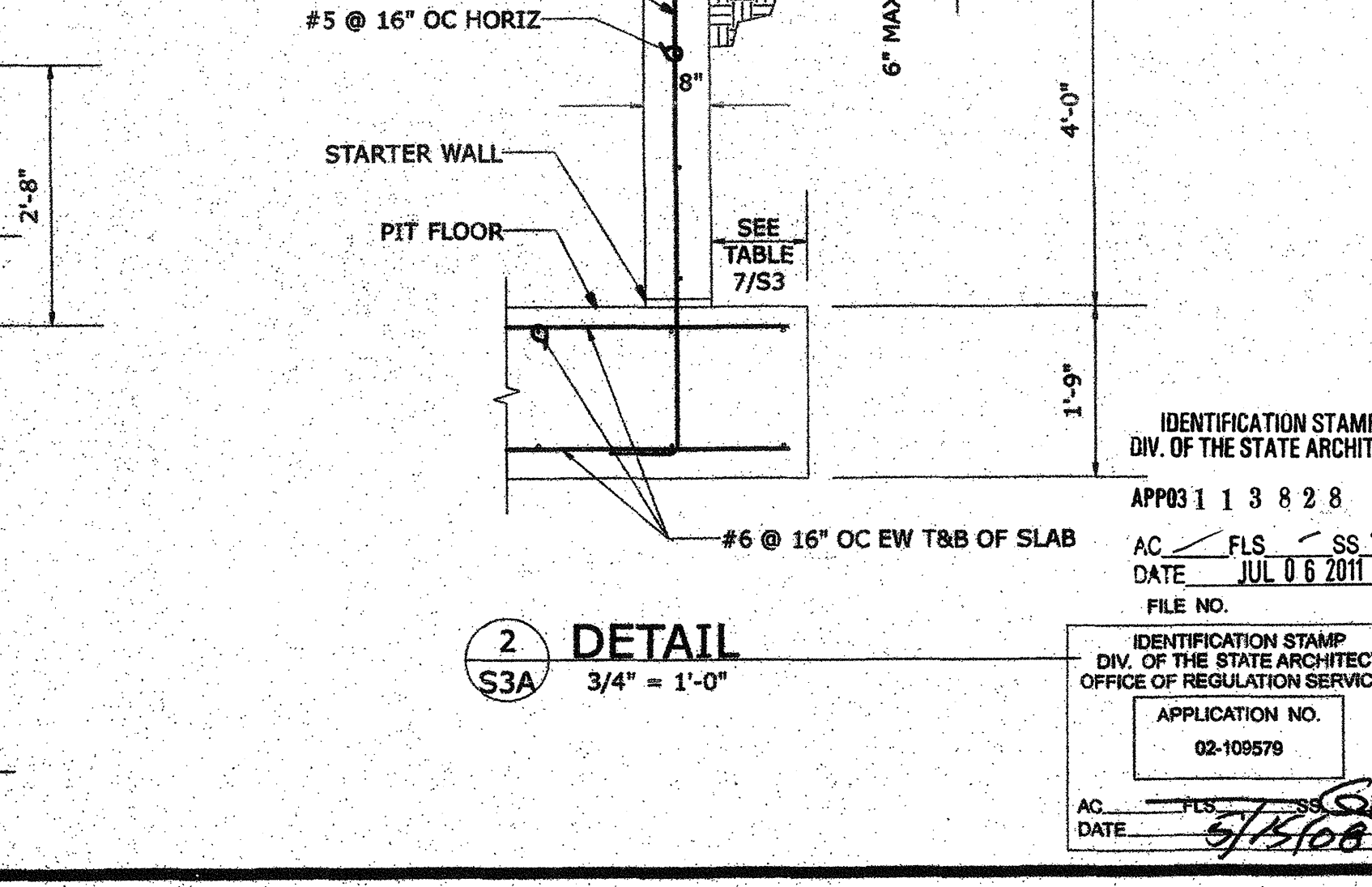
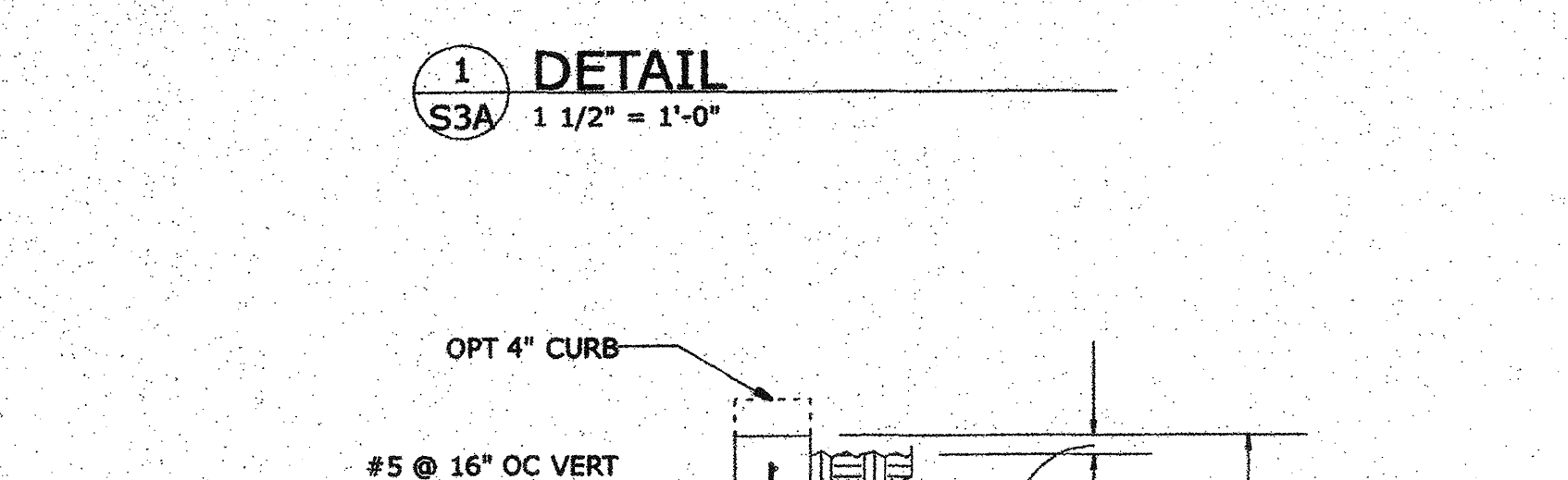
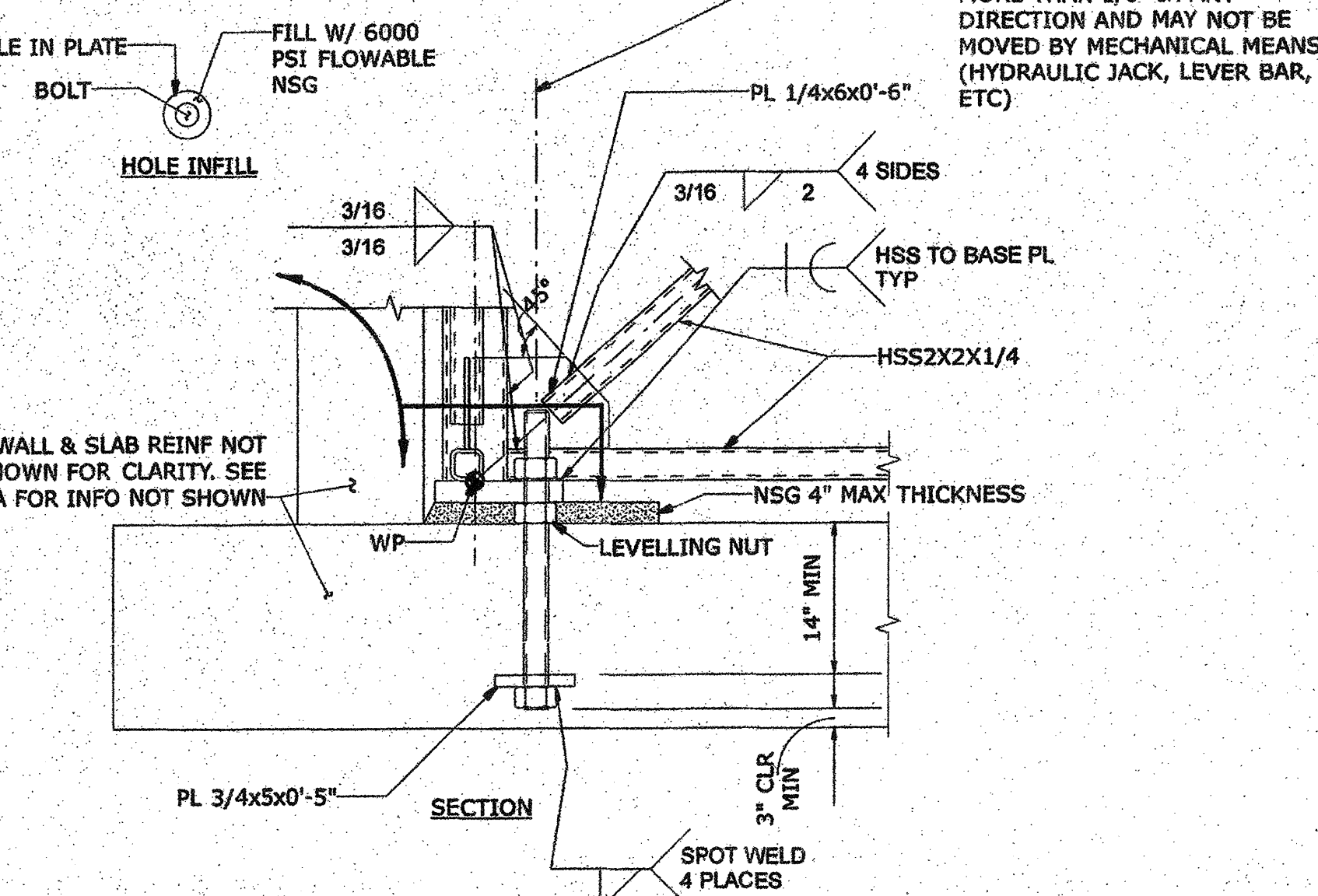
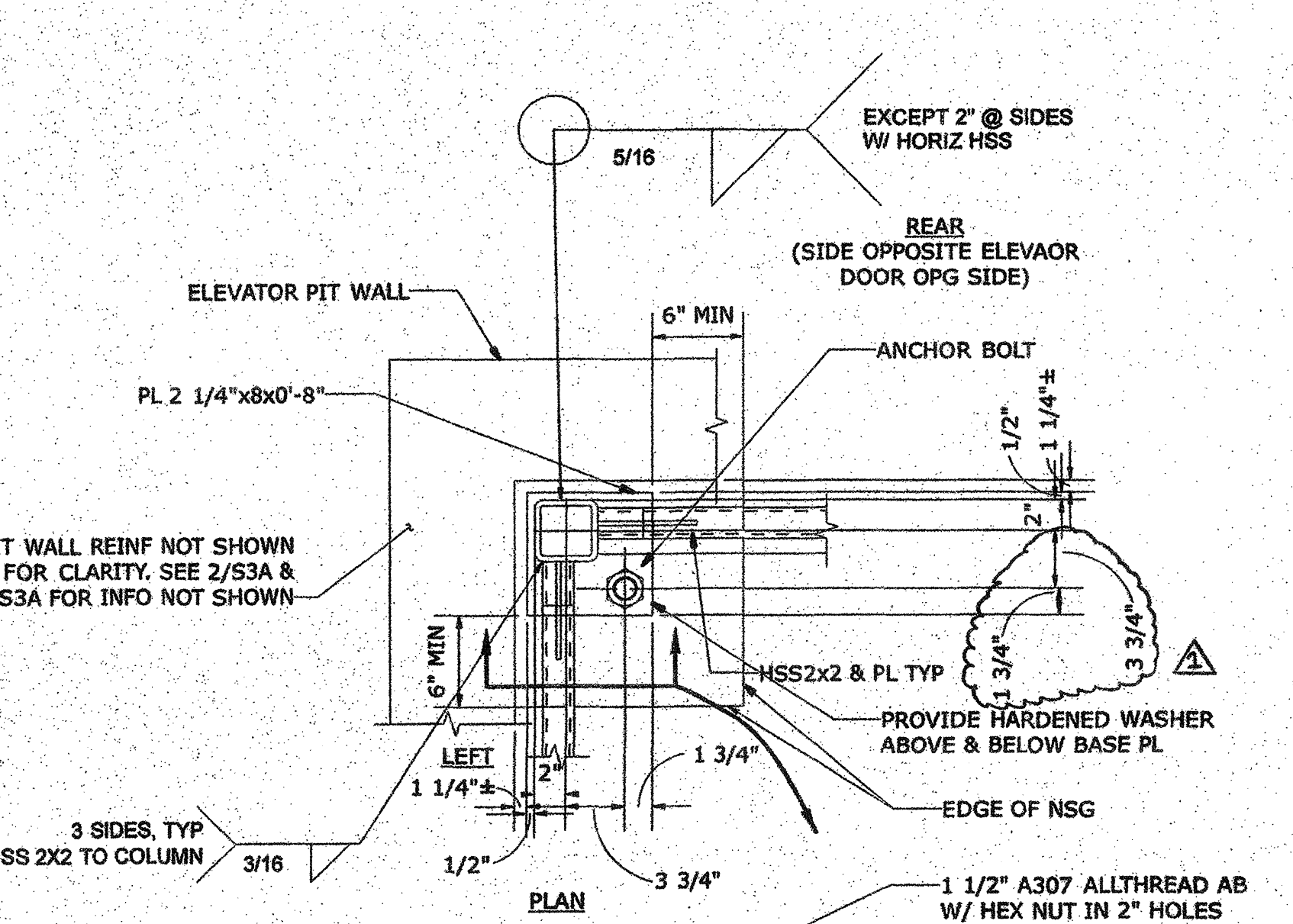
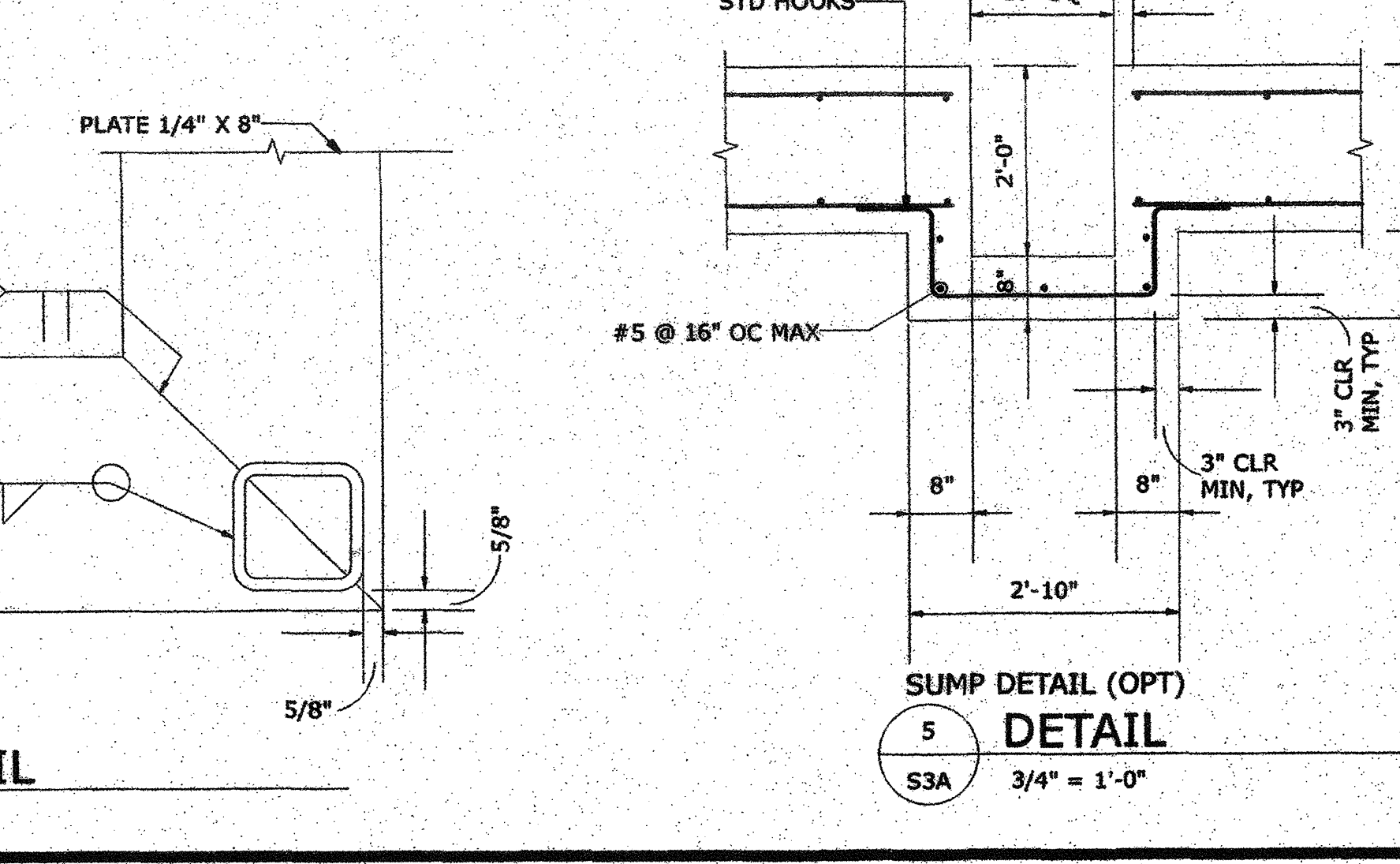
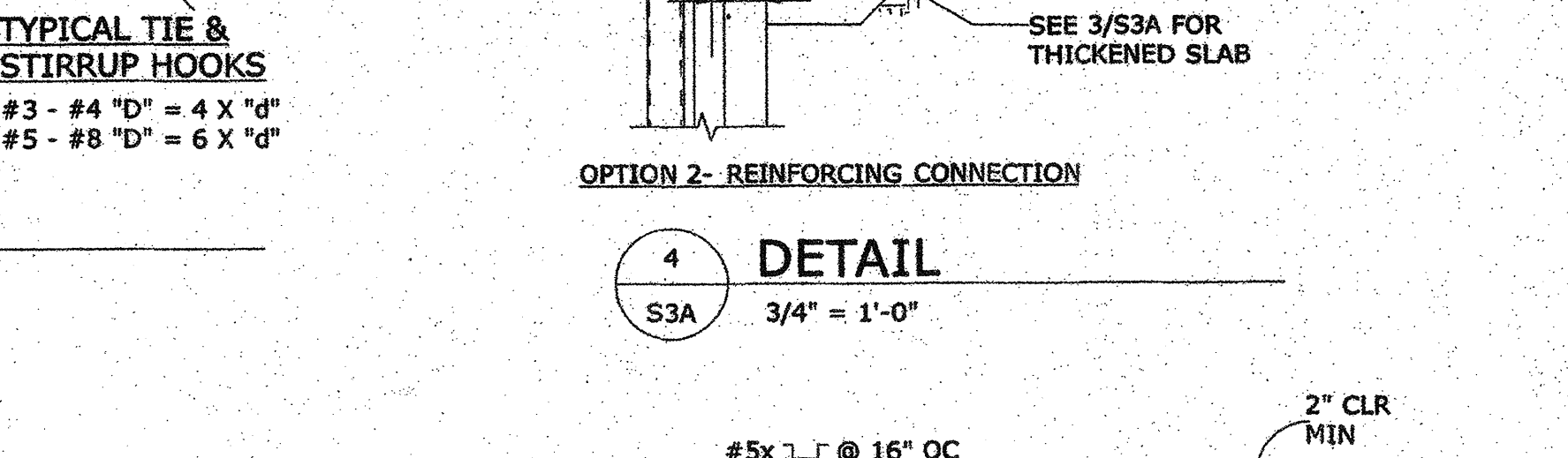
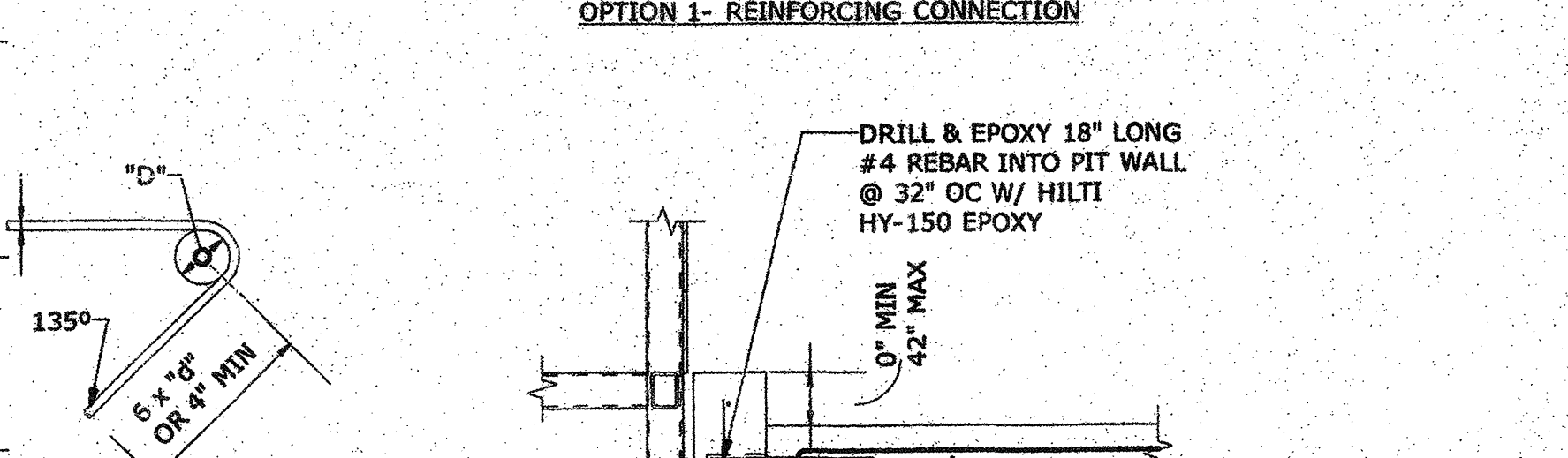
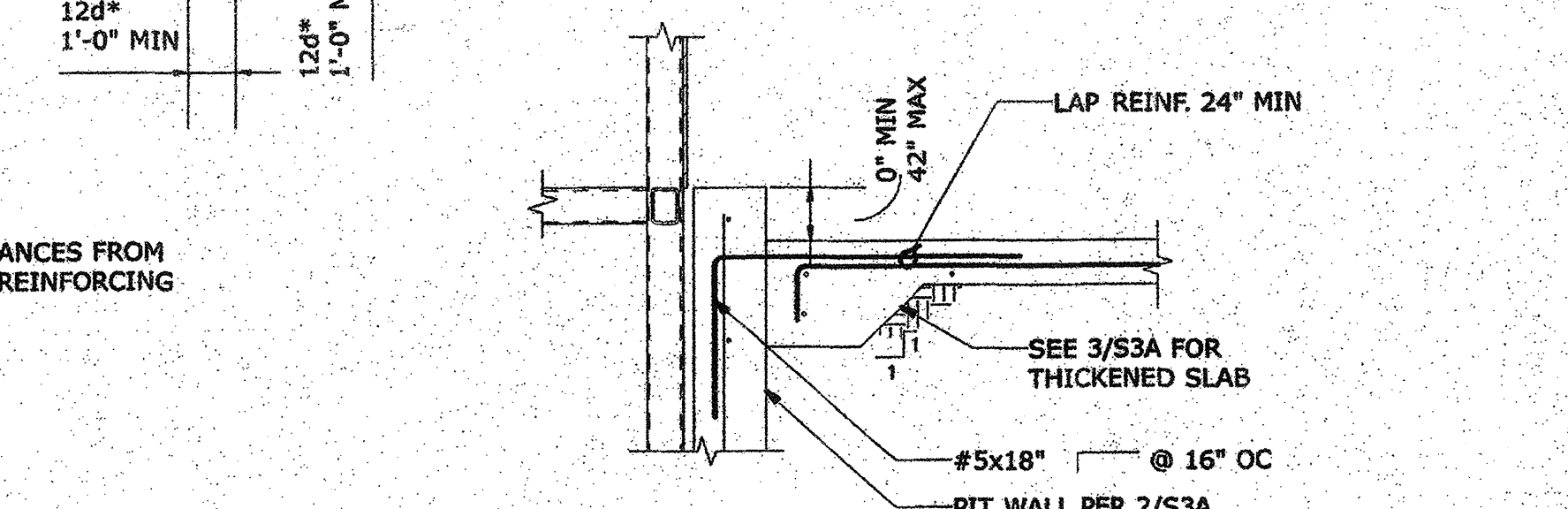
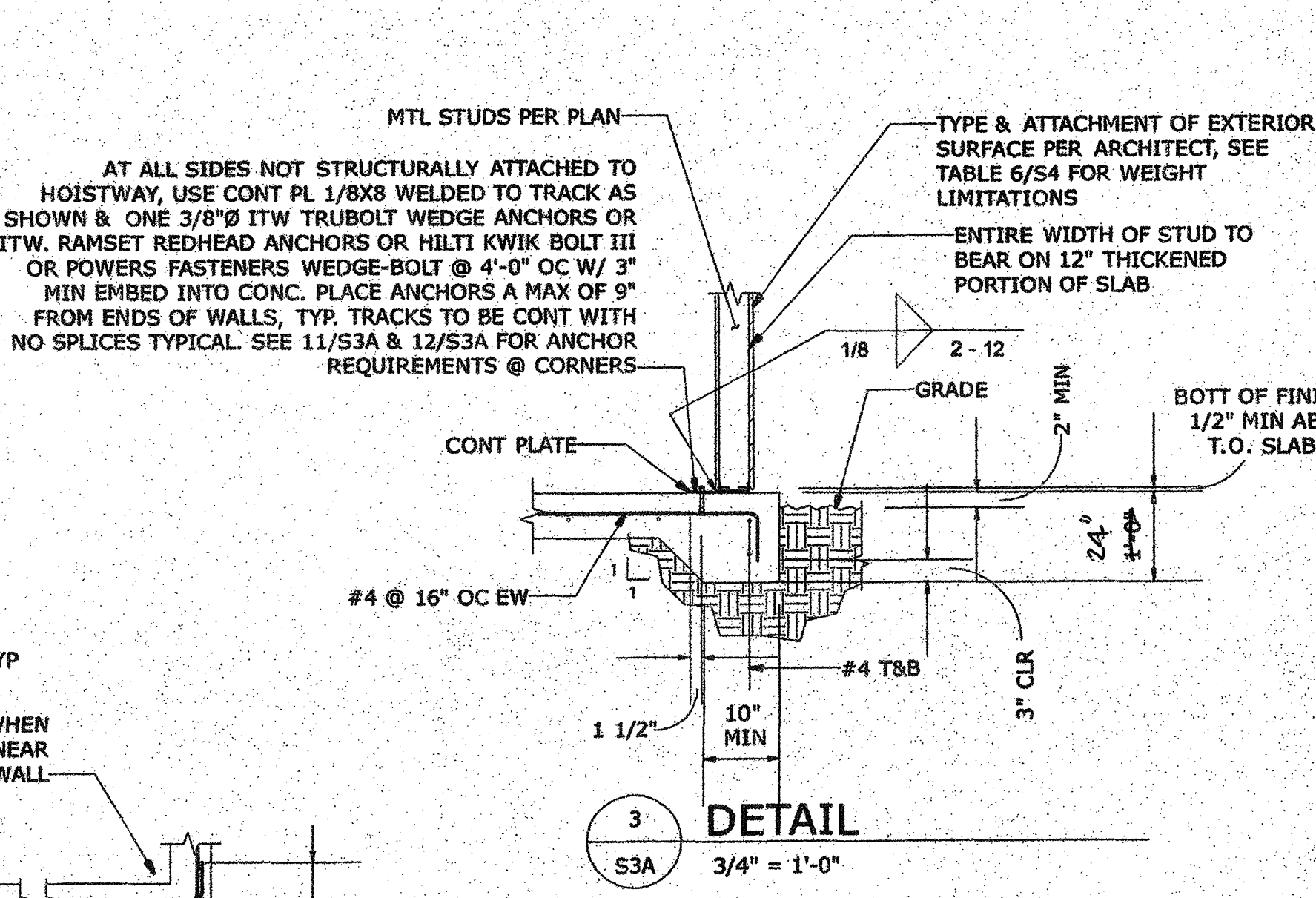
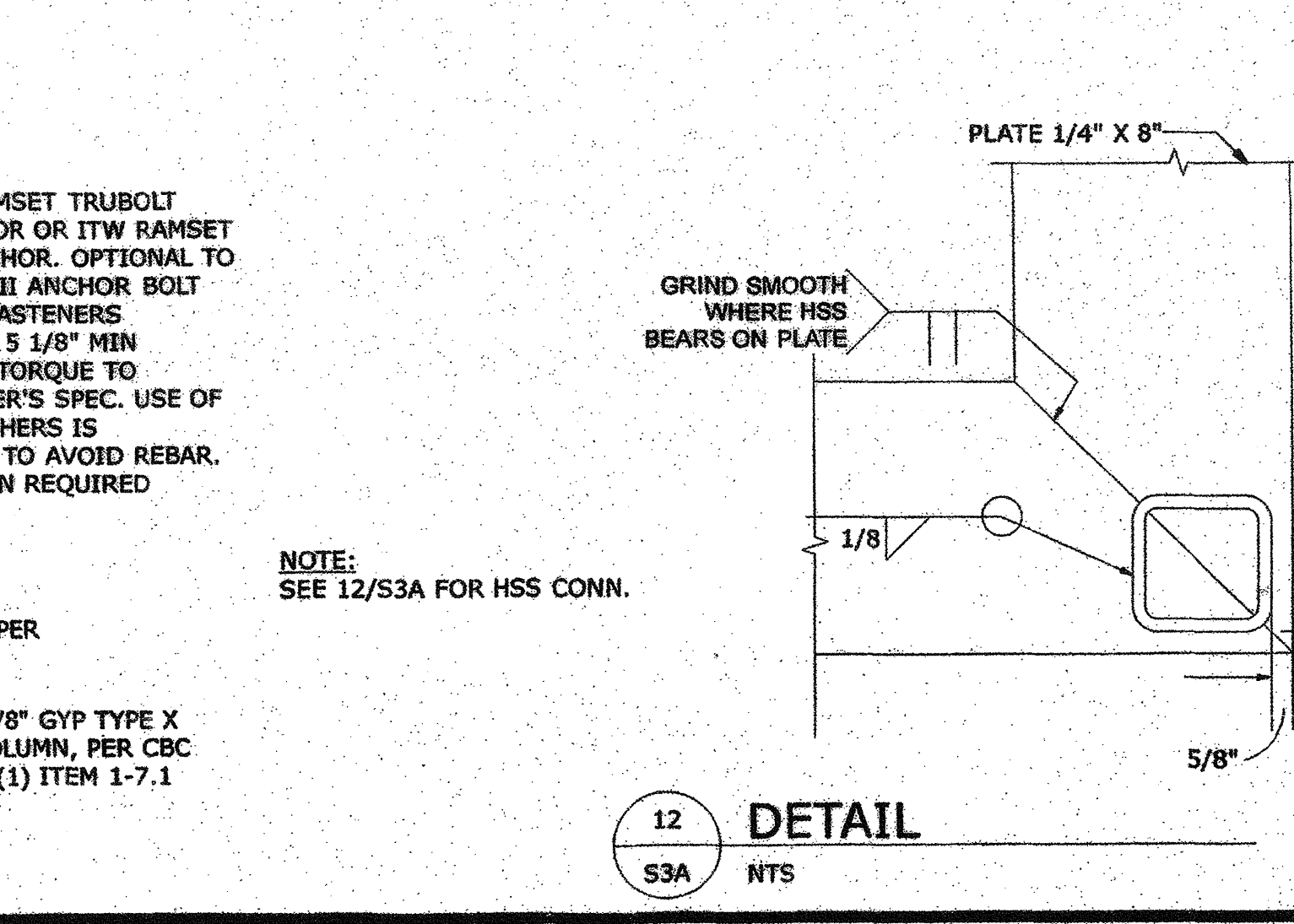
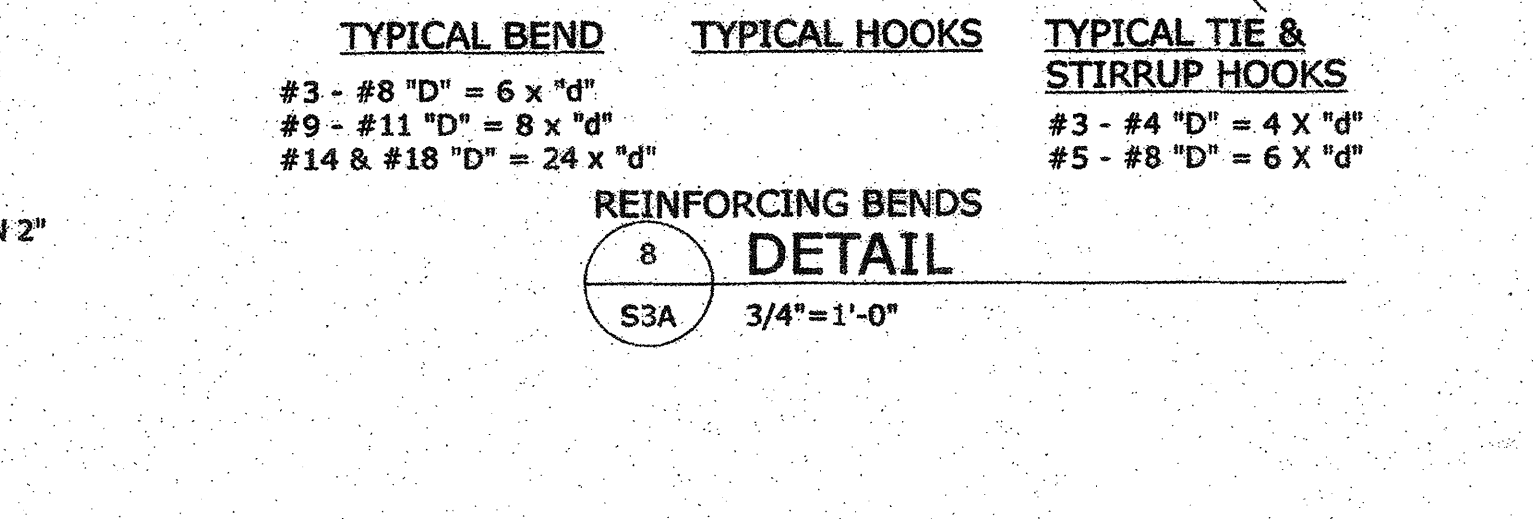
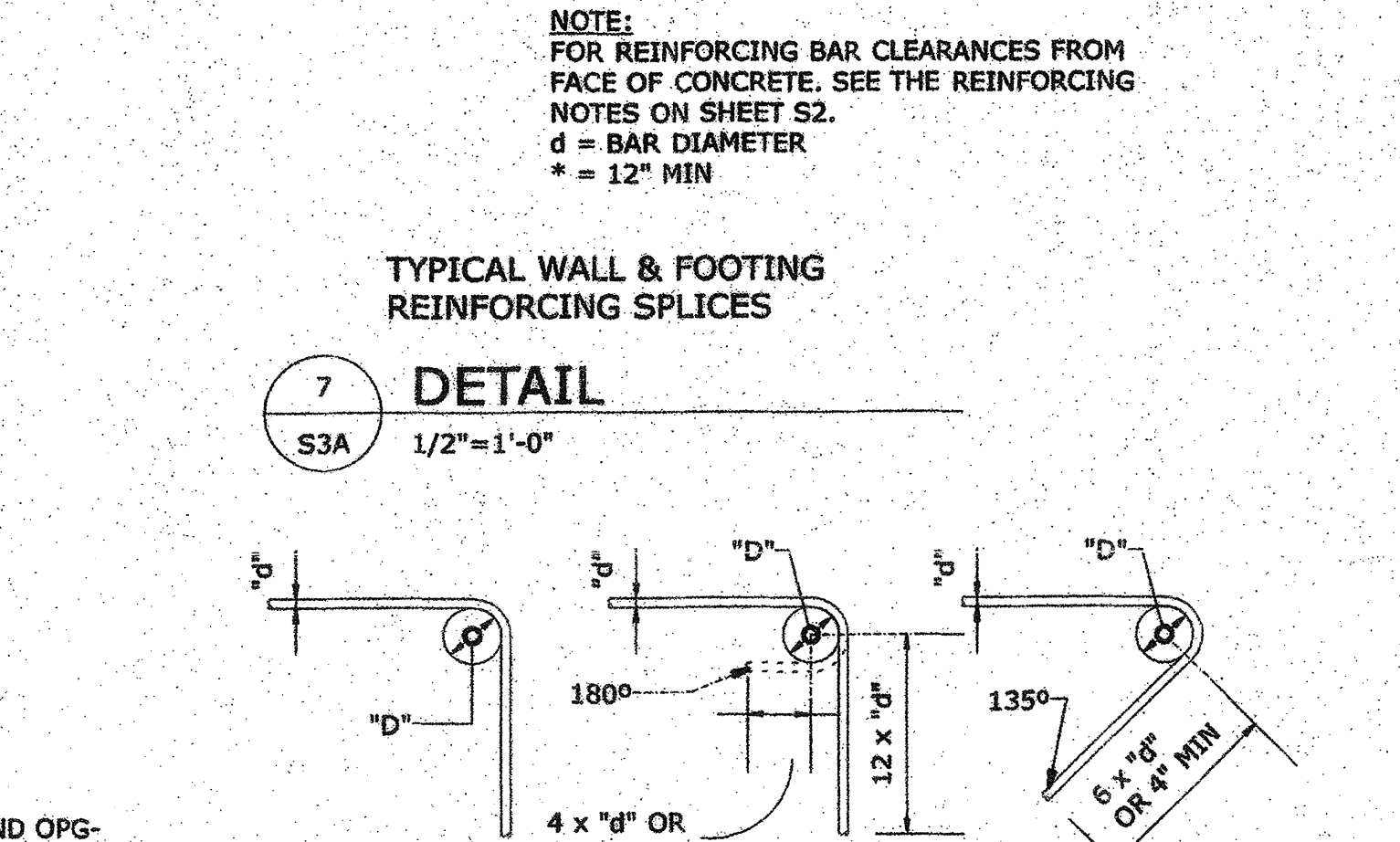
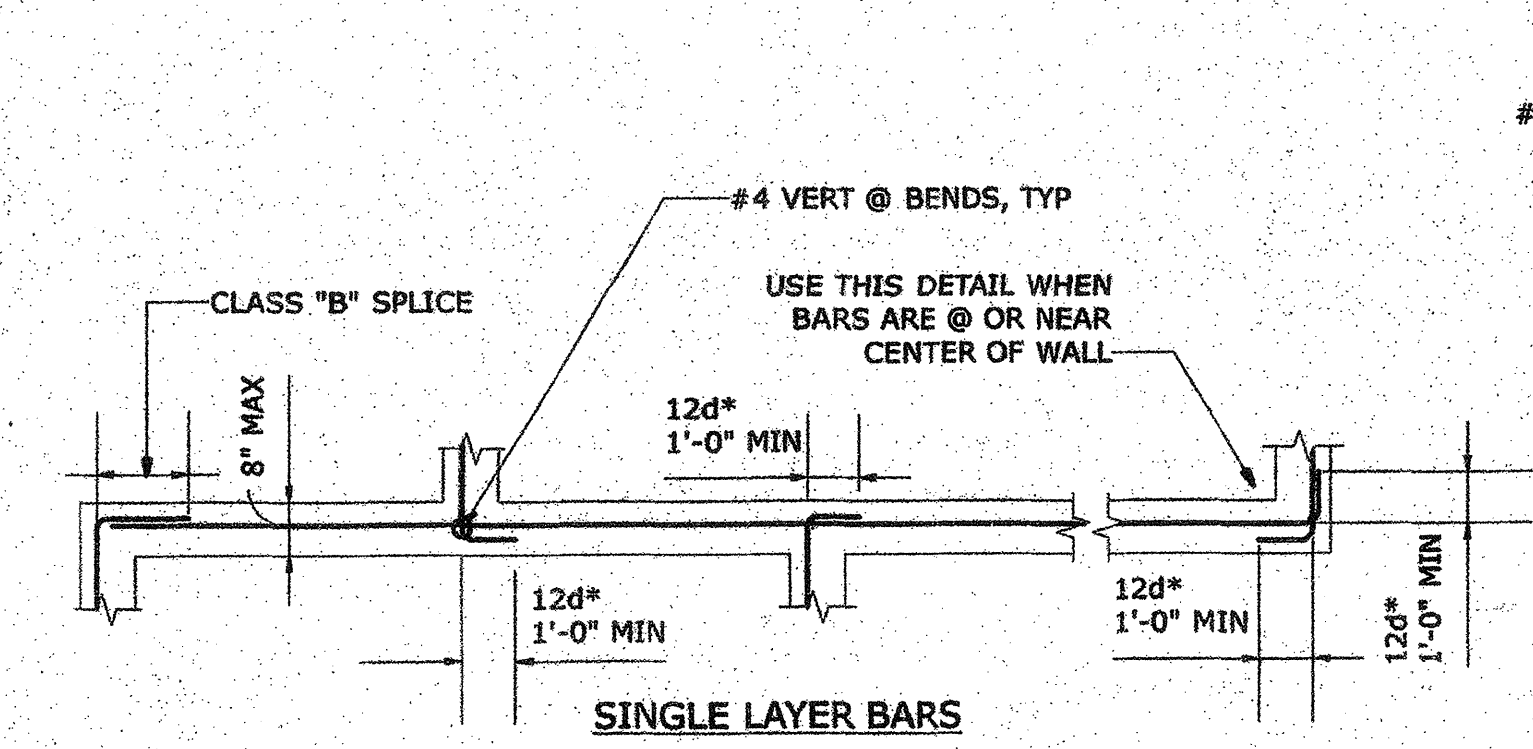
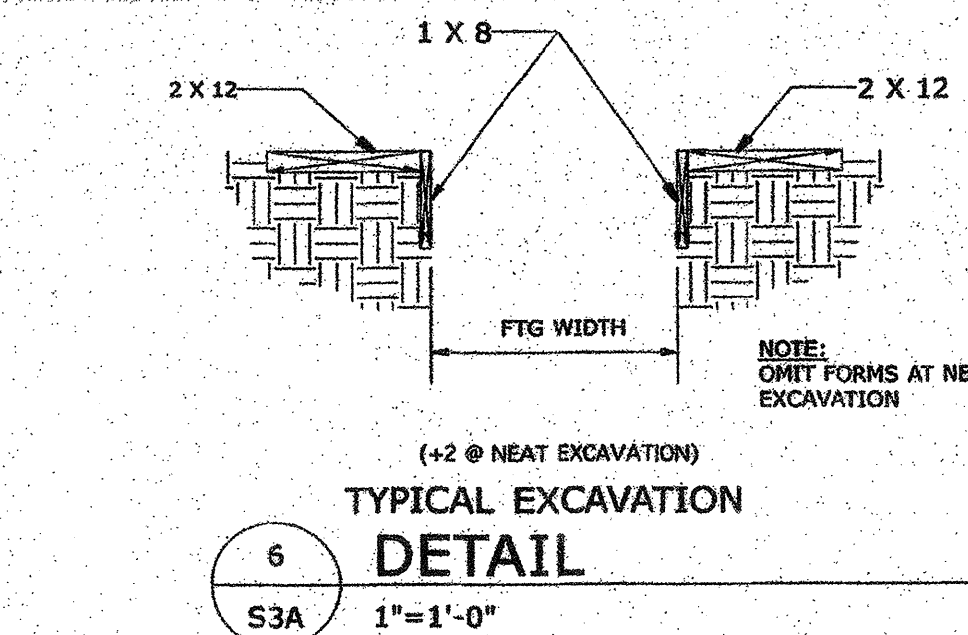
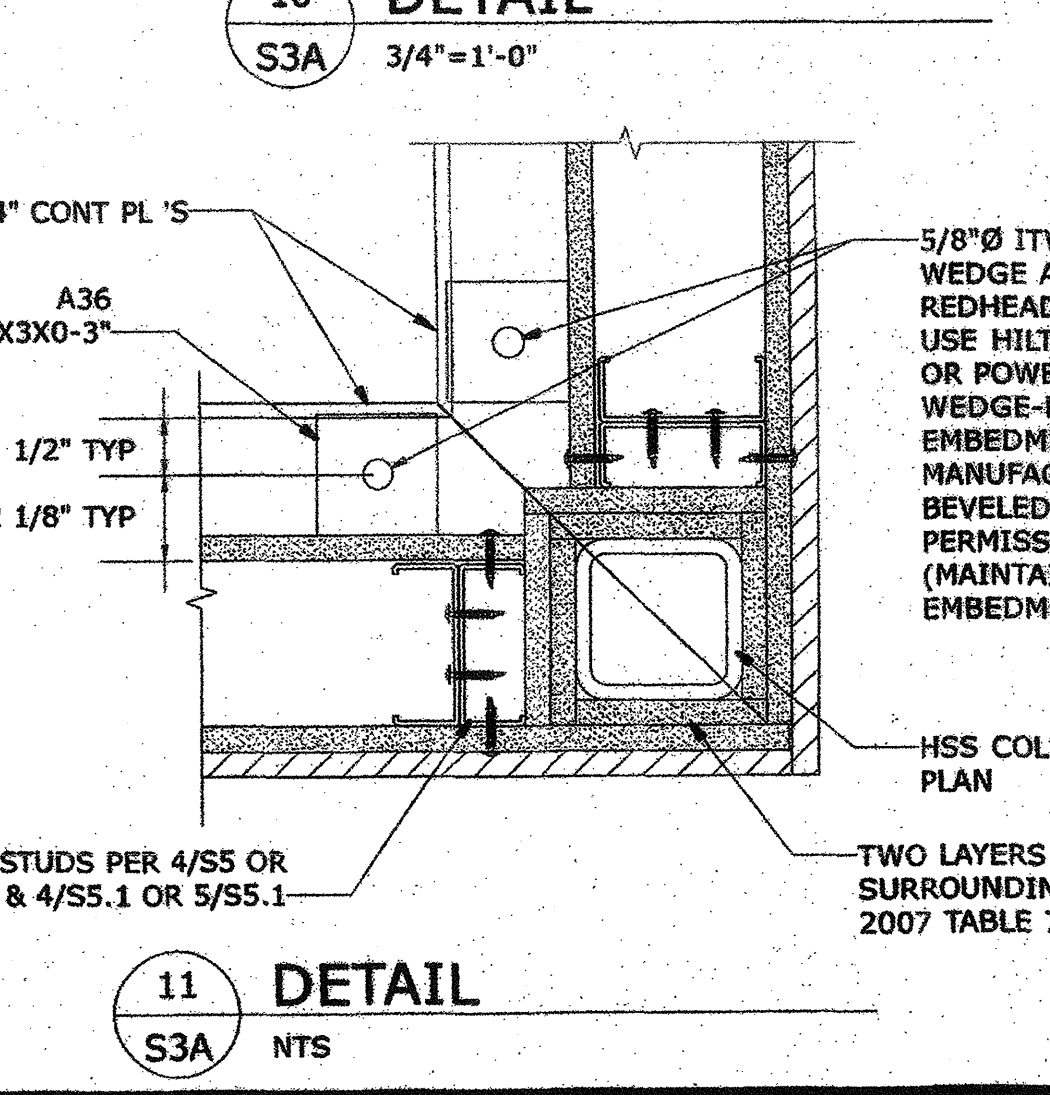
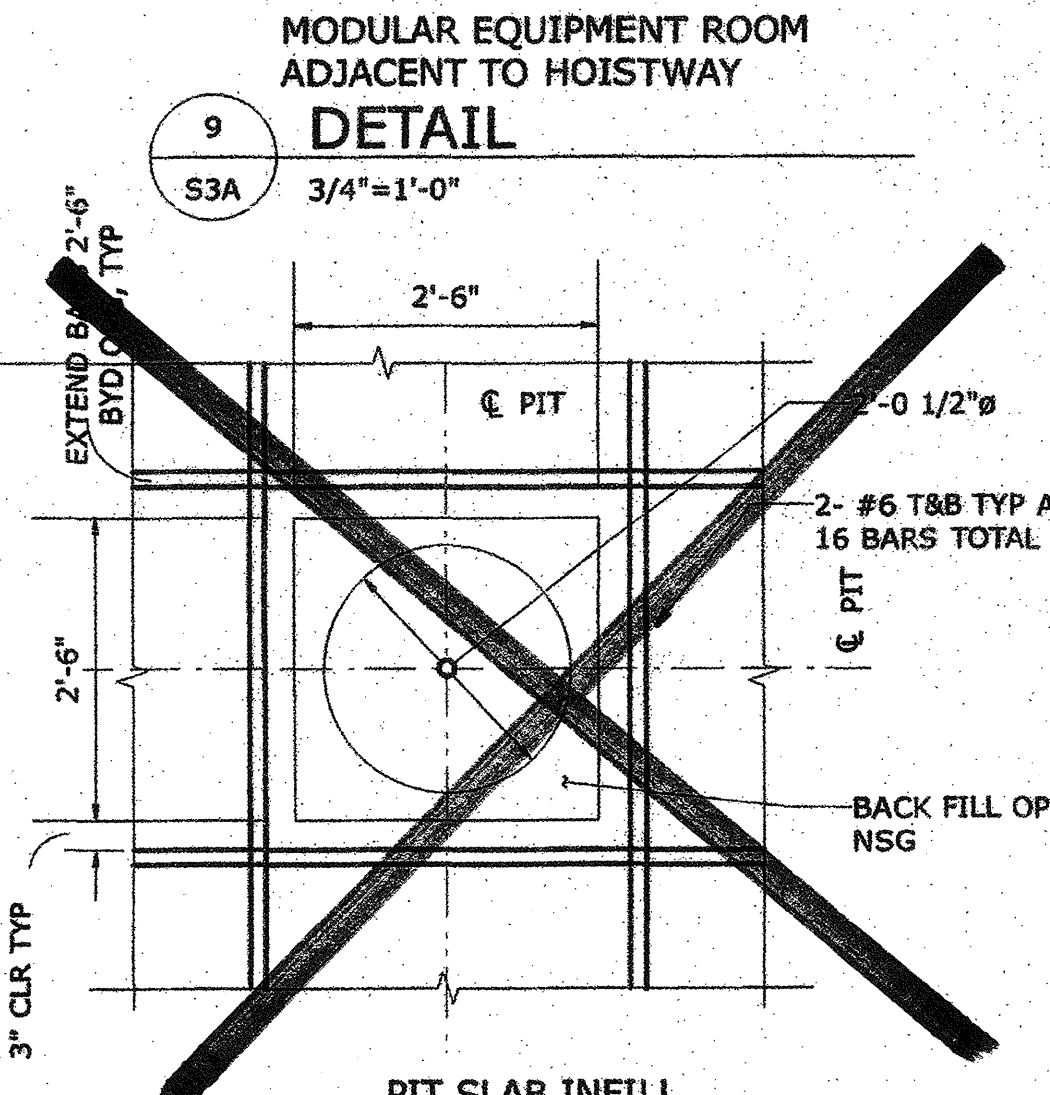
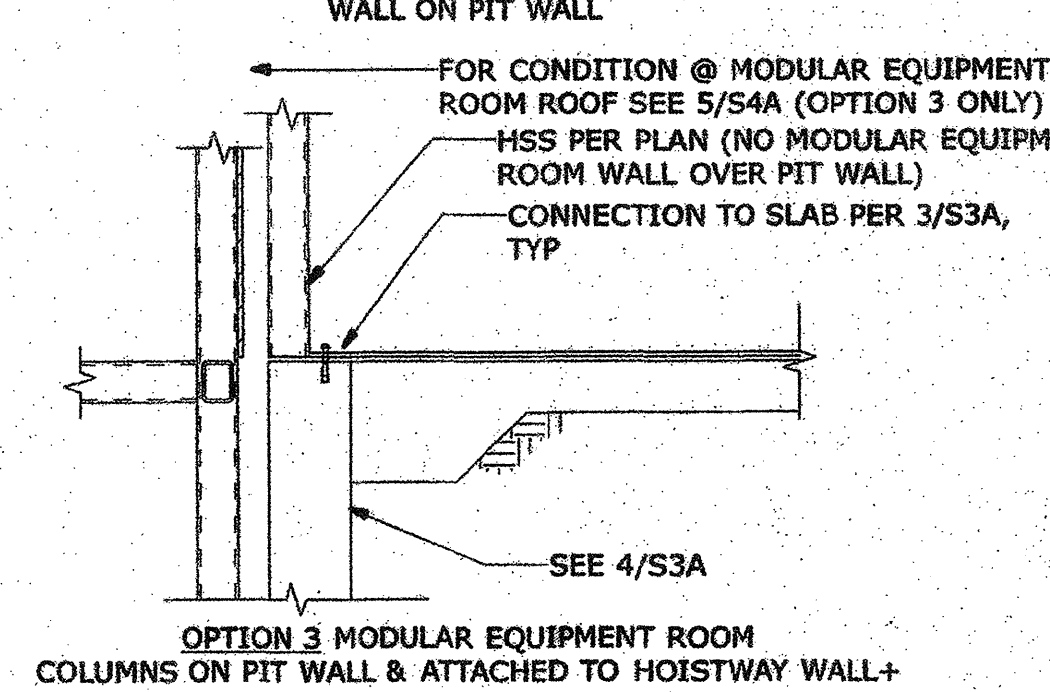
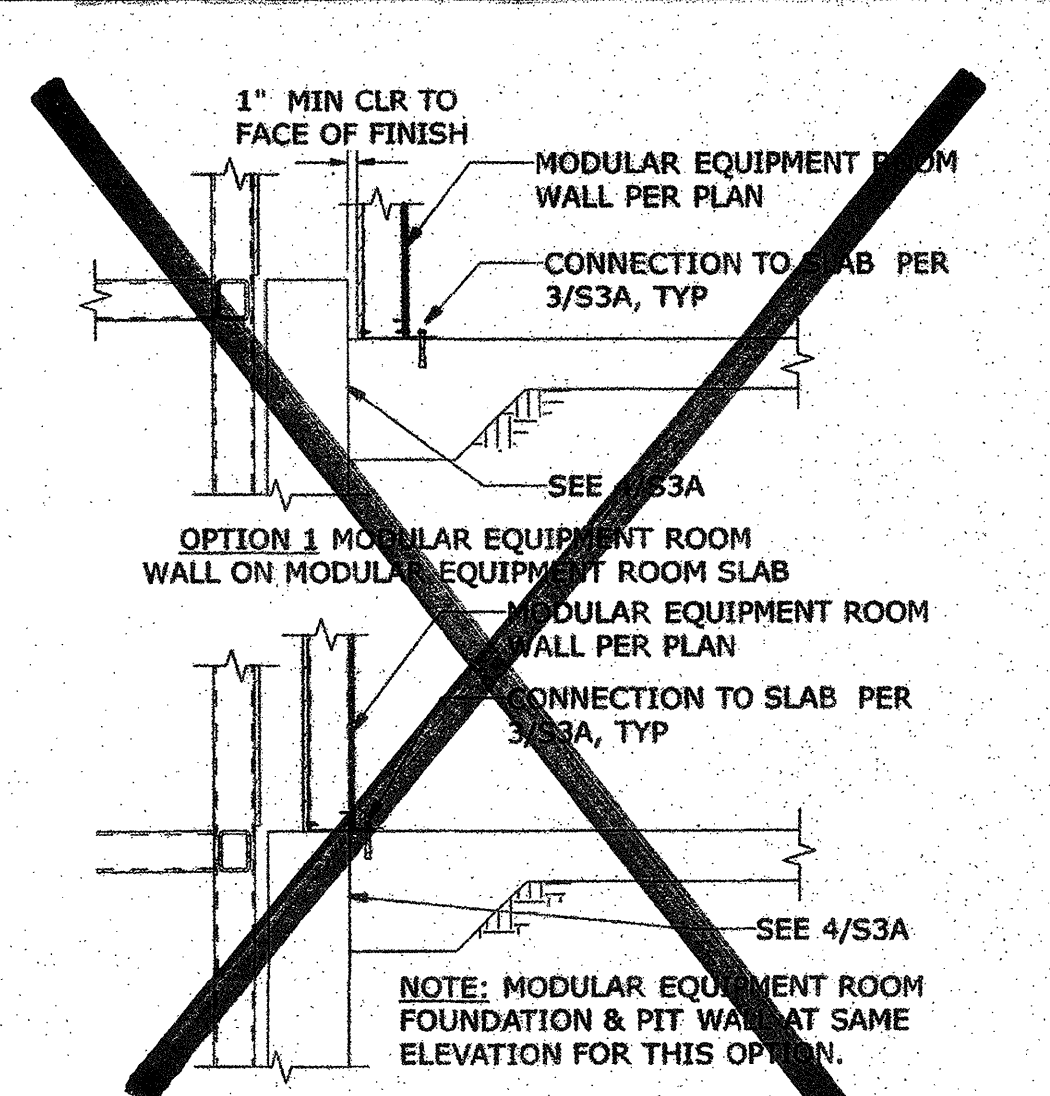
REVISION	DATE	BY	DESCRIPTION
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2			
3			
4			
5			
6			
7			
8			

PSWC Group
 ARCHITECTURE
 INTERIOR DESIGN
 1887 BUSINESS CENTER DRIVE SUITE 3
 SAN BERNARDINO, CA 92408
 TEL: 951.937.2127 FAX: 951.937.3444

KEPPEL ELEMENTARY SCHOOL ADDITION
2 STORY CLASSROOM DISTRICT
 GLENDALE UNIFIED SCHOOL DISTRICT
 700 GLENWOOD RD., GLENDALE, CA 91201

JOB NO.	P874
DRAWN BY	J.Y.
DATE	09-19-11

S-3.2



NO.	DATE	REVISION
5-5-08		FOUNDATION DETAILS

Professional Engineer
 Kenneth A. Luttrell
 No. 1418
 Exp. 3-31-11
 Structural Engineer

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OR ARCHITECT.

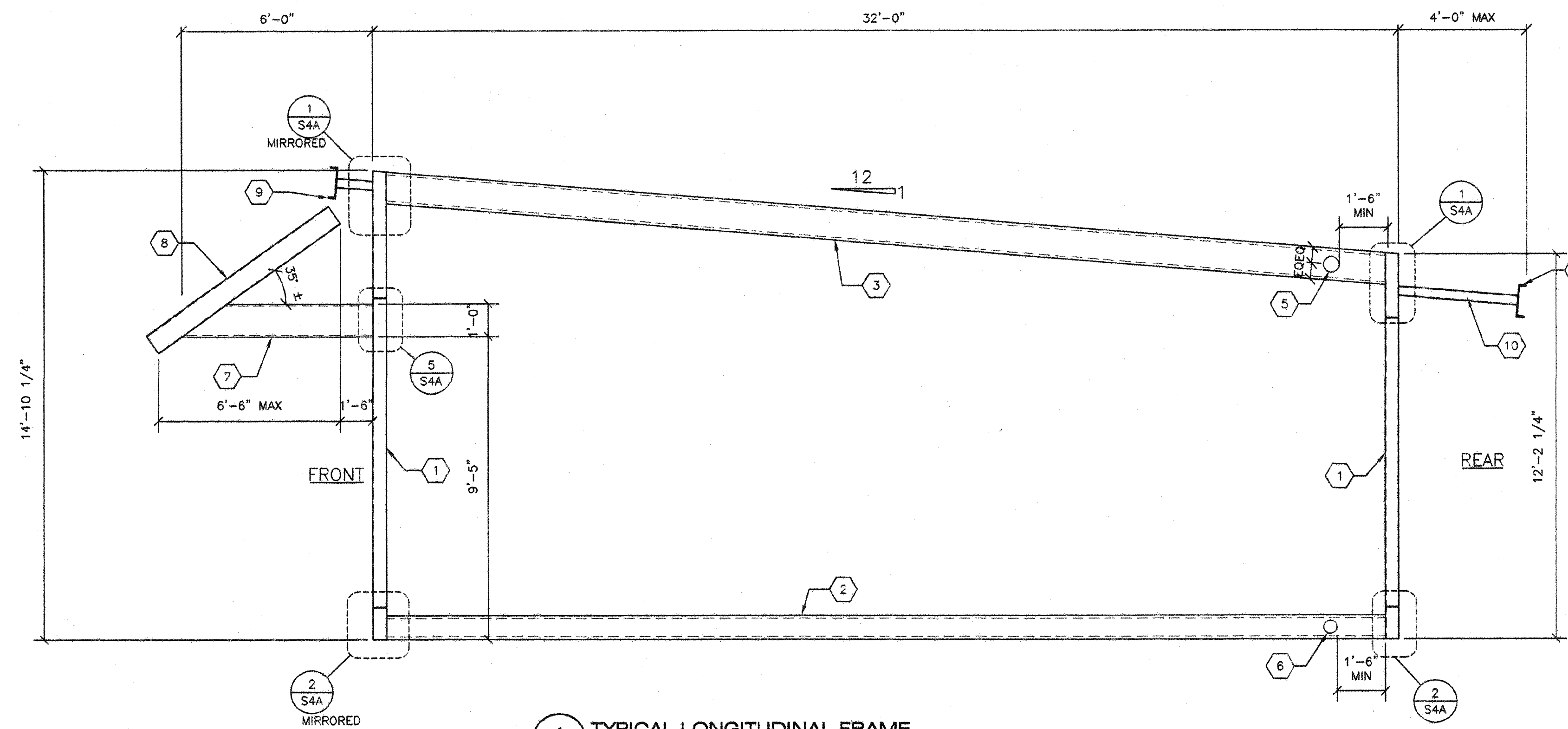
MODULAR ELEVATOR MANUFACTURING, INC.
 P.O. BOX 3998
 CHATSWORTH, CA. 91313
 866-926-9083

PROJECT NO:
 DATE: 4/17/08
 ENGINEERED BY:
 DRAWN BY: KPM

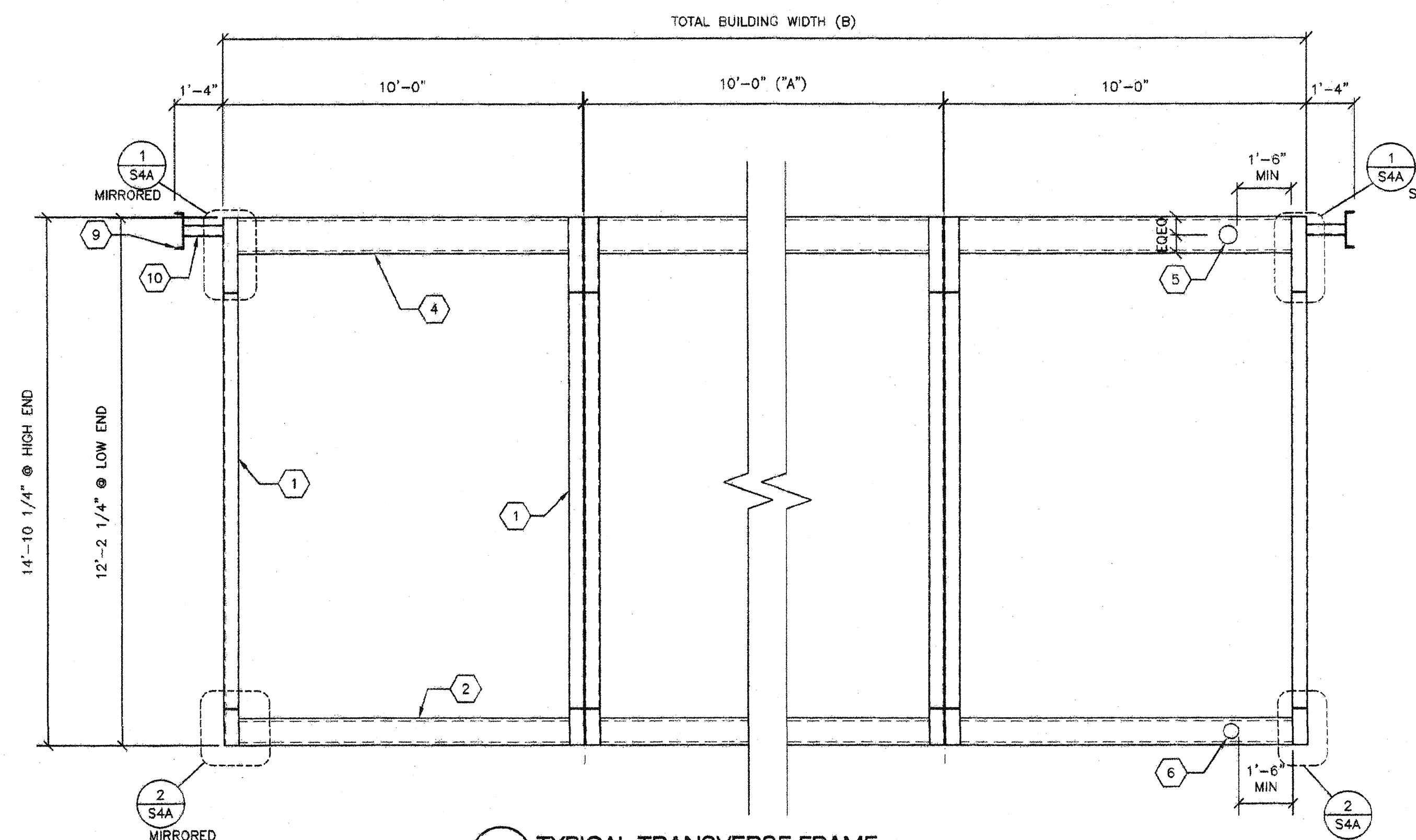
SHEET NAME:
FOUNDATION DETAILS

SHEET NO:
S3A

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPLICATION NO. 02-100679
 DATE: JUL 16 2011



1 TYPICAL LONGITUDINAL FRAME
3/8"=1'-0"



2 TYPICAL TRANSVERSE FRAME
3/8"=1'-0"

- KEY NOTES -

- 1 5x5x1/4 HSS COLUMN
- 2 C9x13.4 FLOOR BEAM, ALTERNATE C10x15.3
- 3 C12x20.7 LONGITUDINAL ROOF BEAM
- 4 C12x20.7 TRANSVERSE ROOF BEAM
- 5 6" Ø MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCEMENT. MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION. NOTE: IF HOLE IS 3" OR LESS THEY MAY BE SPACED AT 24" O.C. MINIMUM.
- 6 4" Ø MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT. MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS. NOTE: IF HOLE IS 2" OR LESS THEY MAY BE SPACED AT 24" MINIMUM.
- 7 12x3x1/4 HSS LOWER OVERHANG OUTRIGGER
- 8 REFER TO SHEET S4B FOR SHADE STRUCTURE DETAILS
- 9 C12x20.7 UPPER OVERHANG CHANNEL
- 10 3 1/2x3 1/2x1/4 HSS TUBE

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	'A' TOTAL # OF CENTER MODULES	'B' TOTAL BLDG WIDTH
30' x 32'	3	1	30'-1 1/2"
40' x 32'	4	2	40'-3 1/4"
50' x 32'	5	3	50'-1 1/2"
60' x 32'	6	4	60'-1 1/4"
70' x 32'	7	5	70'-1 1/2"
80' x 32'	8	6	80'-1 3/4"
90' x 32'	9	7	90'-2"
100' x 32'	10	8	100'-2 1/4"
110' x 32'	11	9	110'-2 1/2"
120' x 32'	12	10	120'-2 3/4"
130' x 32'	13	11	130'-3 1/4"
140' x 32'	14	12	140'-3 1/2"
150' x 32'	15	13	150'-3 3/4"

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 11/01/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
30'x32' THRU 150'x32' GENERATION 7 PREFABRICATED BUILDINGS
MOMENT RESISTANT FRAME ELEVATIONS



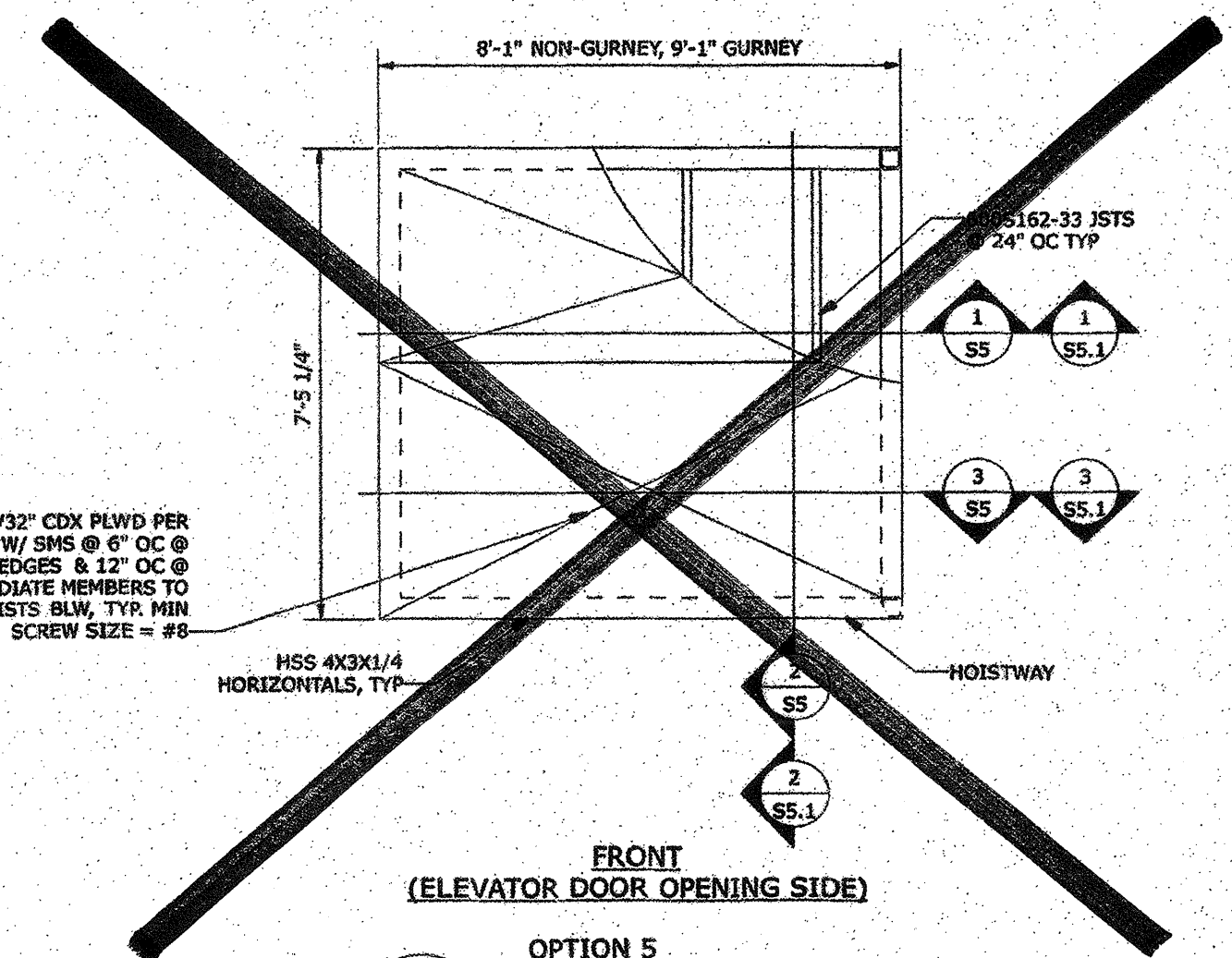
APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
Professional Engineer Seal for Kenneth A. Luttrell, No. 4438, Exp. 3-31-11, State of California.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 1 1 3 8 2 8
AC: FLS SS ID
DATE: JUL 10 2011

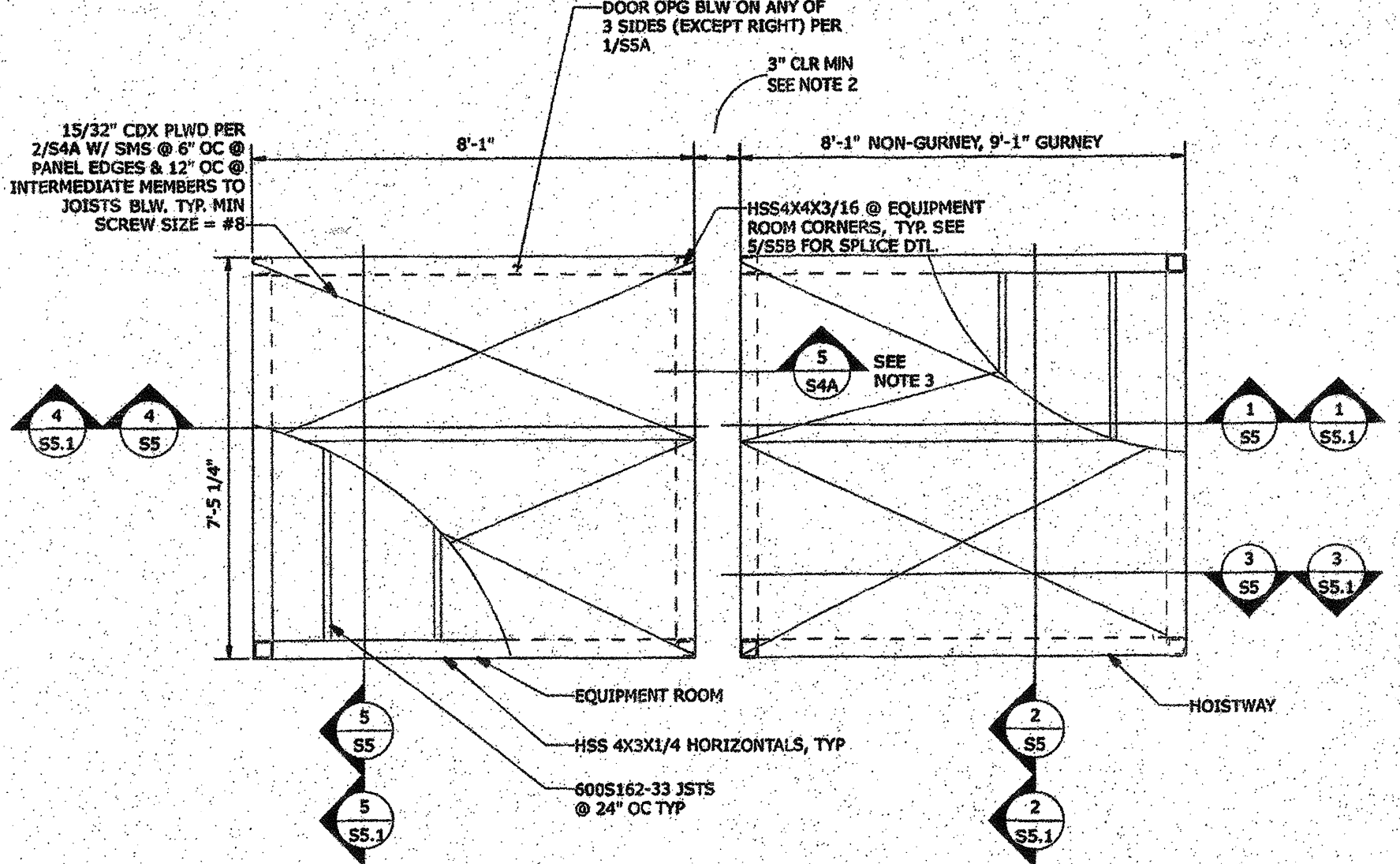
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-110964
AC: FLS SS
DATE: 12/9/09

PROJECT NO.
S4

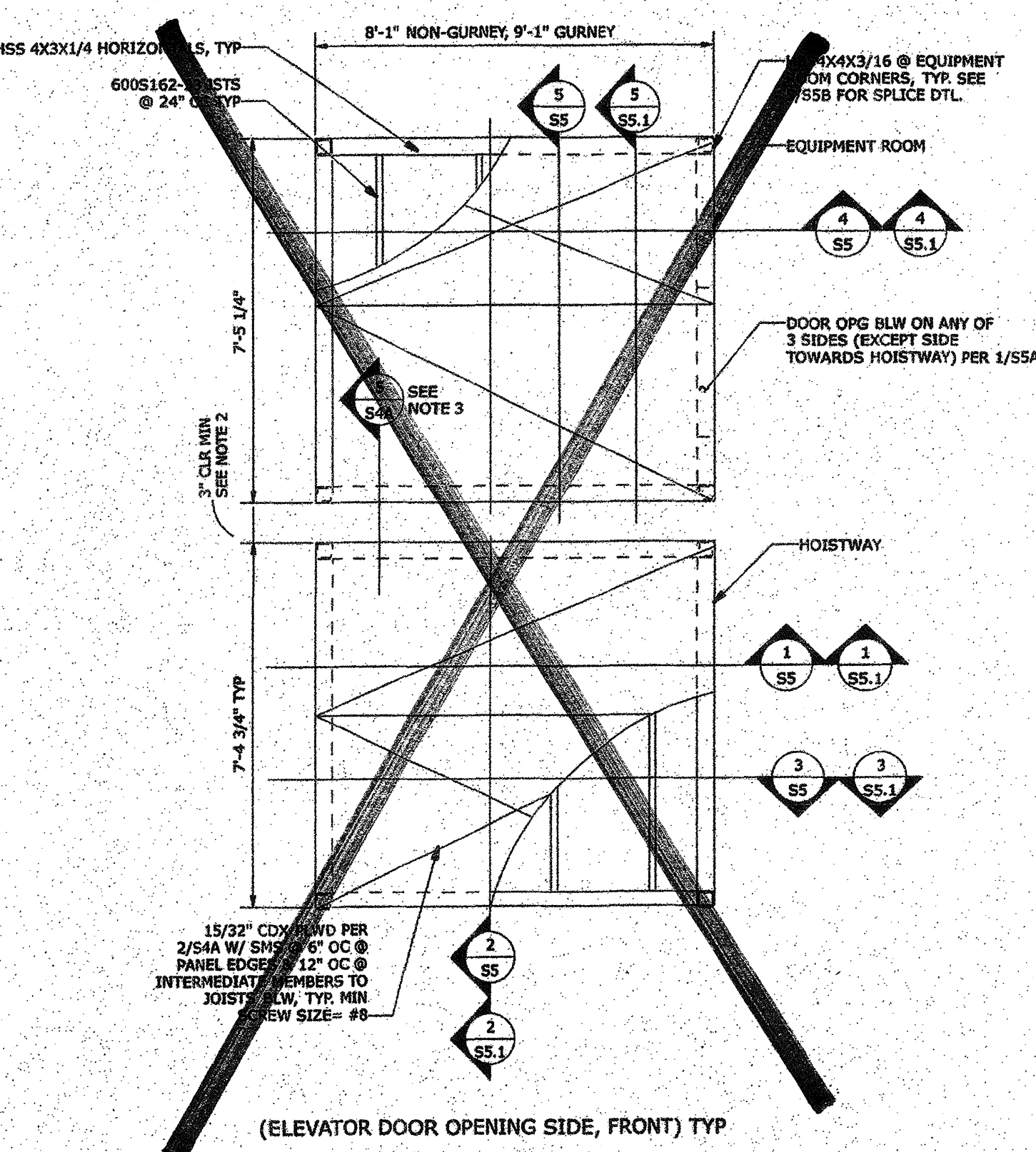
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FRONT (ELEVATOR DOOR OPENING SIDE)
OPTION 5
ROOF PLAN
 5
 S4
 3/8" = 1'-0"



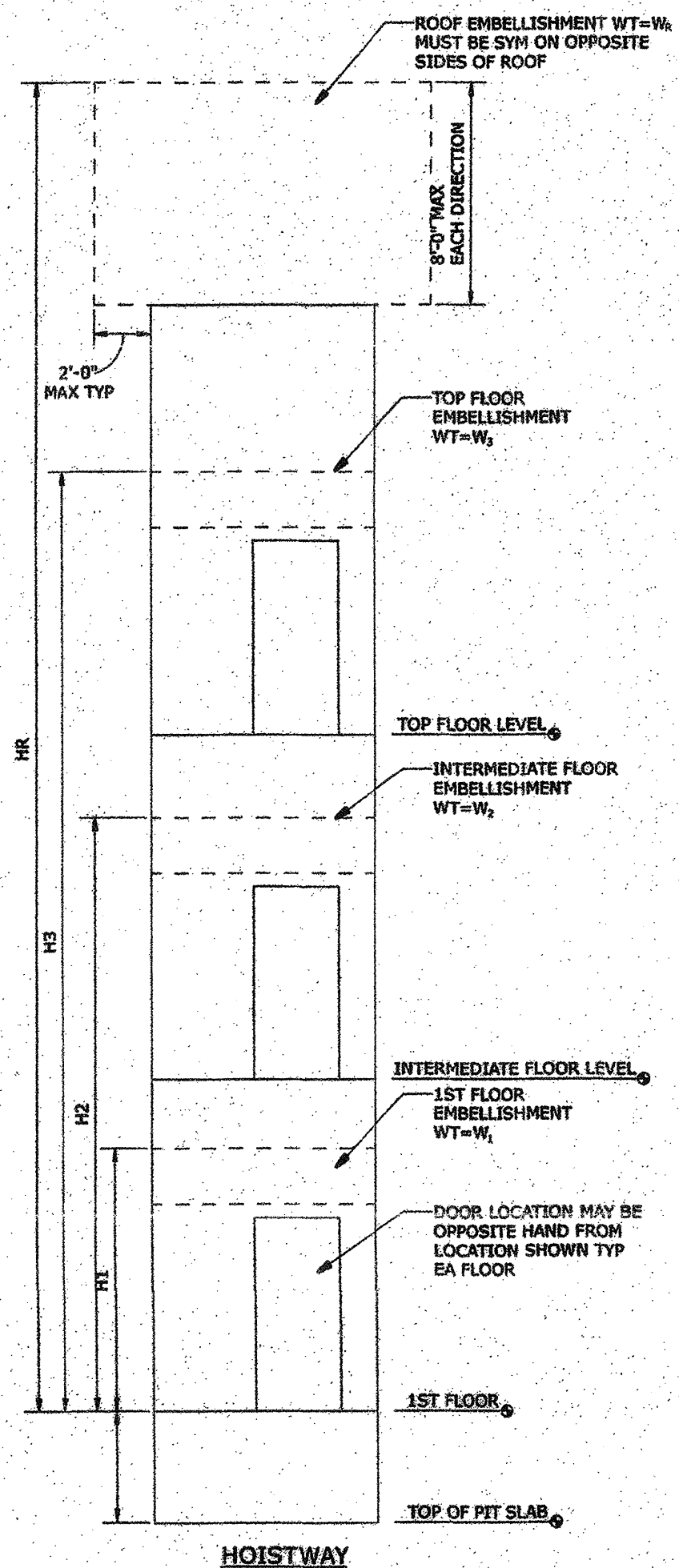
FRONT (ELEVATOR DOOR OPENING SIDE)
OPTION 3
ROOF PLAN
 3
 S4
 3/8" = 1'-0"



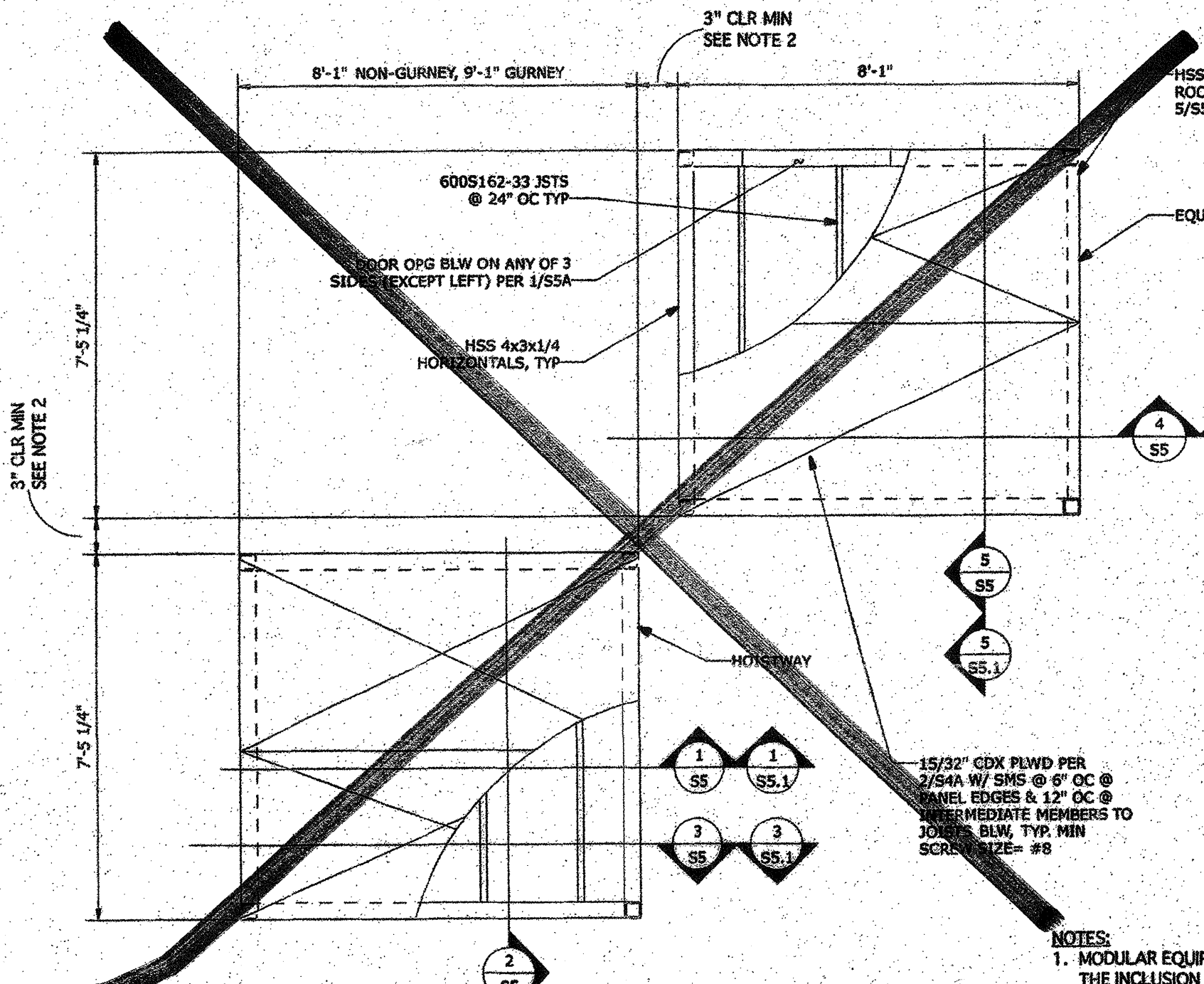
FRONT (ELEVATOR DOOR OPENING SIDE, FRONT) TYP
OPTION 1
ROOF PLAN
 1
 S4
 3/8" = 1'-0"

TABLE 1		
EMBELLISHMENT LEVEL	MAX HT ABV 1ST FLR	MAX TOTAL WEIGHT
	FT	LB
1ST	H1 = 10	600
INTERMEDIATE	H2 = 30	600
TOP	H3 = 43	600
ROOF	HR = 50'-0"	1200

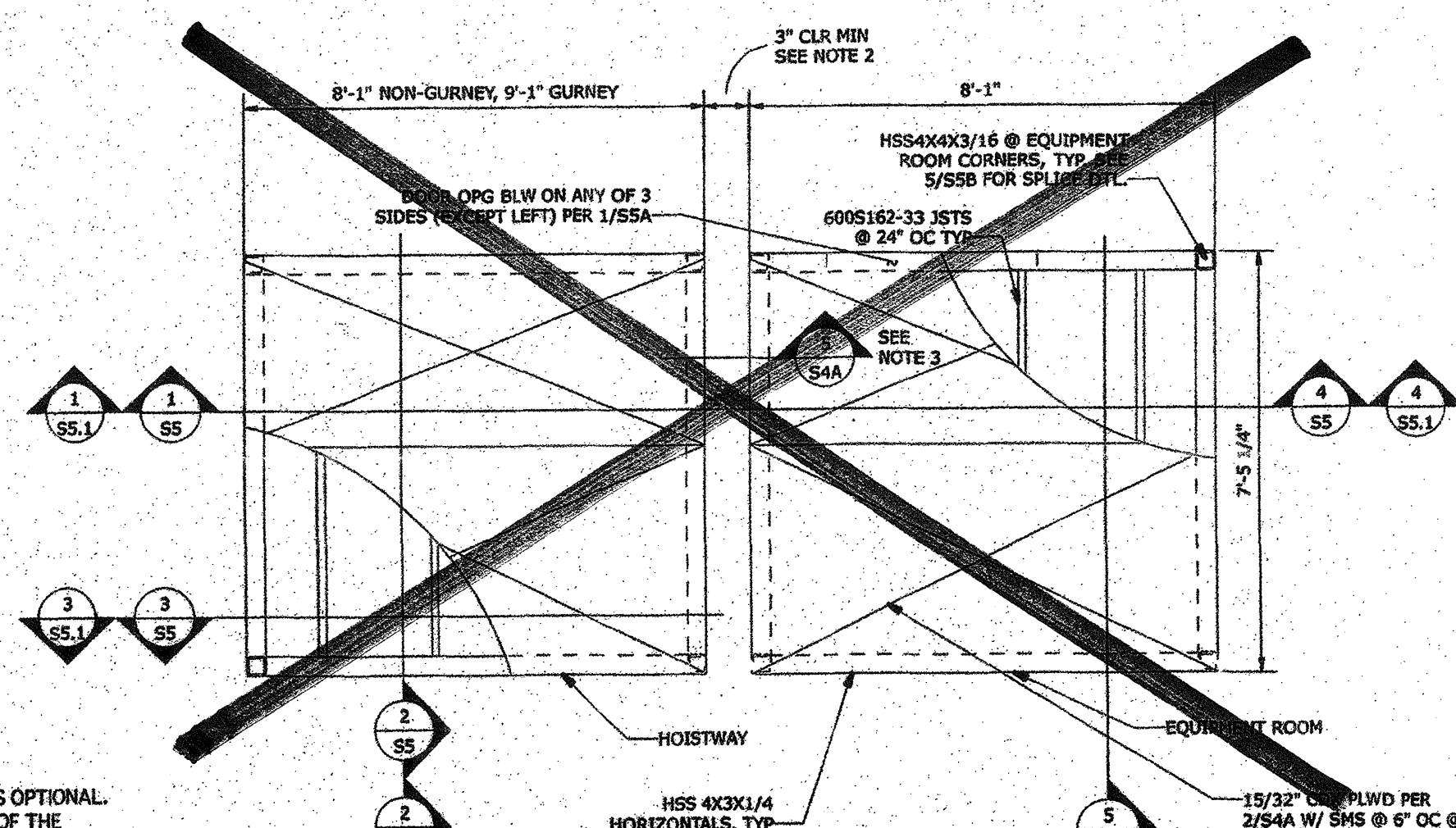
NOTES:
 1. ATTACHMENTS OF FINISH MATERIAL BY OTHERS.
 2. EMBELLISHMENTS MUST ATTACH TO STRUCTURAL STEEL ONLY (NOT TO LIGHT GAUGE MEMBERS).
 3. GYP BOARD FINISH REQUIRED ON BOTH FACES OF STUDS AT NON FIRE RATED CONSTRUCTION ATTACHED WITH 1" TYPE S DRYWALL SCREWS 8" O.C. ON VERTICAL EDGES & 12" O.C. ON INTERMEDIATE STUDS.
 4. MAXIMUM TOTAL WEIGHT OF FINISH (INSIDE/OUTSIDE) = 20 PSF CONSTRUCTION. 5/8" GYPSUM WALL BOARD TYPE X APPLIED TO INTERIOR AND EXTERIOR, PARALLEL OR AT RIGHT ANGLES TO STUDS, ATTACHED WITH 1" TYPE S DRYWALL SCREWS 8" O.C. ON VERTICAL EDGES AND 12" O.C. ON INTERMEDIATE STUDS PER U415.
 5. 4" STUD WALL CONSTRUCTION OPTION IS FIRE RATED CONSTRUCTION. 5/8" GYPSUM WALL BOARD TYPE X APPLIED TO INTERIOR AND EXTERIOR, PARALLEL OR AT RIGHT ANGLES TO STUDS, ATTACHED WITH 1" TYPE S DRYWALL SCREWS 8" O.C. ON VERTICAL EDGES AND 12" O.C. ON INTERMEDIATE STUDS PER U415.
 6. FIRE RATED CONSTRUCTION MAY NOT BE REQUIRED WHEN THE ELEVATOR SHAFT DOES NOT PENETRATE FLOORS, WHERE THE OPENINGS DO NOT ENTER DIRECTLY INTO ANOTHER STRUCTURE AND WHEN THE SHAFT IS LOCATED FURTHER THAN 10' FROM A PROPERTY LINE.
 7. EXTERIOR FINISH AND FLASHING DETAILS TO BE SPECIFIED BY PROJECT ARCHITECT.
 8. APPROVAL FOR SPECIFIC EMBELLISHMENT CONFIGURATION MUST BE OBTAINED ON SITE SPECIFIC APPLICATION.
 9. CALCULATIONS ASSUME A MAXIMUM OF 20 PSF TOTAL WALL WEIGHT, INCLUDING CLADDING. EMBELLISHMENT WEIGHTS ARE IN ADDITION TO THE WALL WEIGHT.
 10. MODULAR EQUIPMENT ROOM ROOF EMBELLISHMENT TO MEET SAME RESTRICTIONS AS ELEVATOR SHAFT ROOF EMBELLISHMENT EXCEPT MAXIMUM HEIGHT IS 4'-0" AND MAXIMUM WEIGHT IS 600 LBS.
 11. IF ROOF EMBELLISHMENT FULLY ENCLOSES TOP OF STRUCTURE, ROOF JOIST FRAMING IS NOT STRUCTURALLY REQUIRED. FRAMING CAN BE SUBSTITUTED W/ PROJ SPECIFIC DESIGNED STRUCTURE.



EMBELLISHMENT DETAIL
 6
 S4
 1/4" = 1'-0"



FRONT (ELEVATOR DOOR OPENING SIDE)
OPTION 4
ROOF PLAN
 4
 S4
 3/8" = 1'-0"



FRONT (ELEVATOR DOOR OPENING SIDE)
OPTION 2
ROOF PLAN
 2
 S4
 3/8" = 1'-0"

- NOTES:
 1. MODULAR EQUIPMENT ROOM IS OPTIONAL. THE INCLUSION OR DELETION OF THE MODULAR EQUIPMENT ROOM IS PER THE SITE SPECIFIC DRAWINGS.
 2. CONDITION AT OPTION WHERE HOISTWAY & EQUIPMENT ROOM ARE SEPARATE.
 3. CONDITION AT OPTION WHERE HOISTWAY & EQUIPMENT ROOM ARE CONNECTED.
 4. SEE 2/54A FOR PLYWOOD ATTACHMENT AND JOIST TO WALL CONNECTION.
 5. ROOF ASSEMBLY TO HOISTWAY TO BE FIELD INSTALLED.
 6. HSS COLUMNS MAY BE THICKER THAN 3/16" UP TO 1/2" THICK.
 7. PLYWOOD ROOFING ON GURNEY ELEVATOR TO HAVE STAGGERED JOINTS.
 8. FIRE-RETARDANT PLYWOOD REQUIRED FOR CONSTRUCTION TYPE II

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 DIV. OF THE STATE ARCHITECT
 APP03 1 1 3 8 2 8
 AC FLS SS ED
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FILE NO.
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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPLICATION NO.
 02-105579
 AC FLS
 DATE 7/6/11

NO.	DATE	REVISION

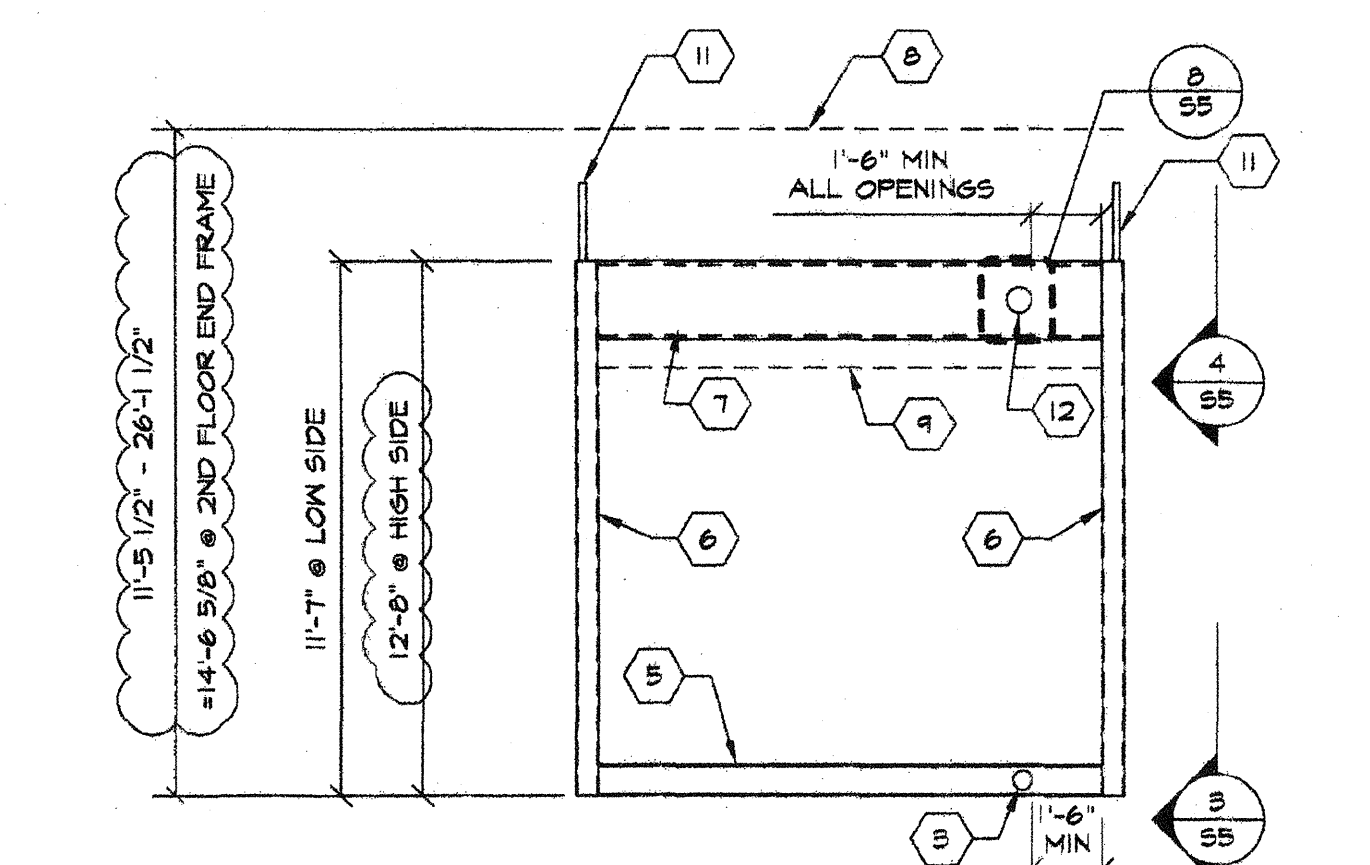
Professional Engineer
 Kenneth A. Latta
 No. 1418
 Structural Engineer
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MODULAR ELEVATOR MANUFACTURING, INC.
 P.O. BOX 3998
 CHATSWORTH, CA. 91313
 866-926-9083

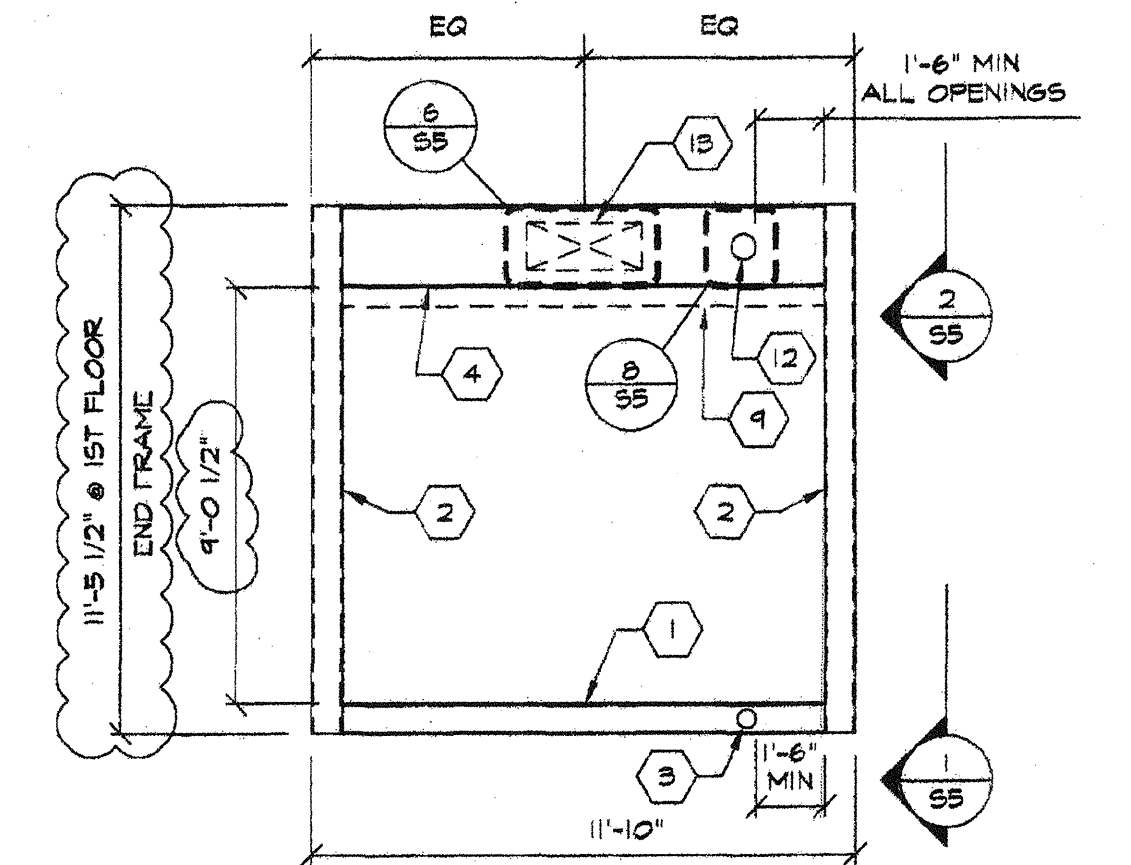
PROJECT NO:
 DATE: 4/17/08
 ENGINEERED BY:
 DRAWN BY: KPM

SHEET NAME:
ROOF PLAN OPTIONS

SHEET NO:
S4

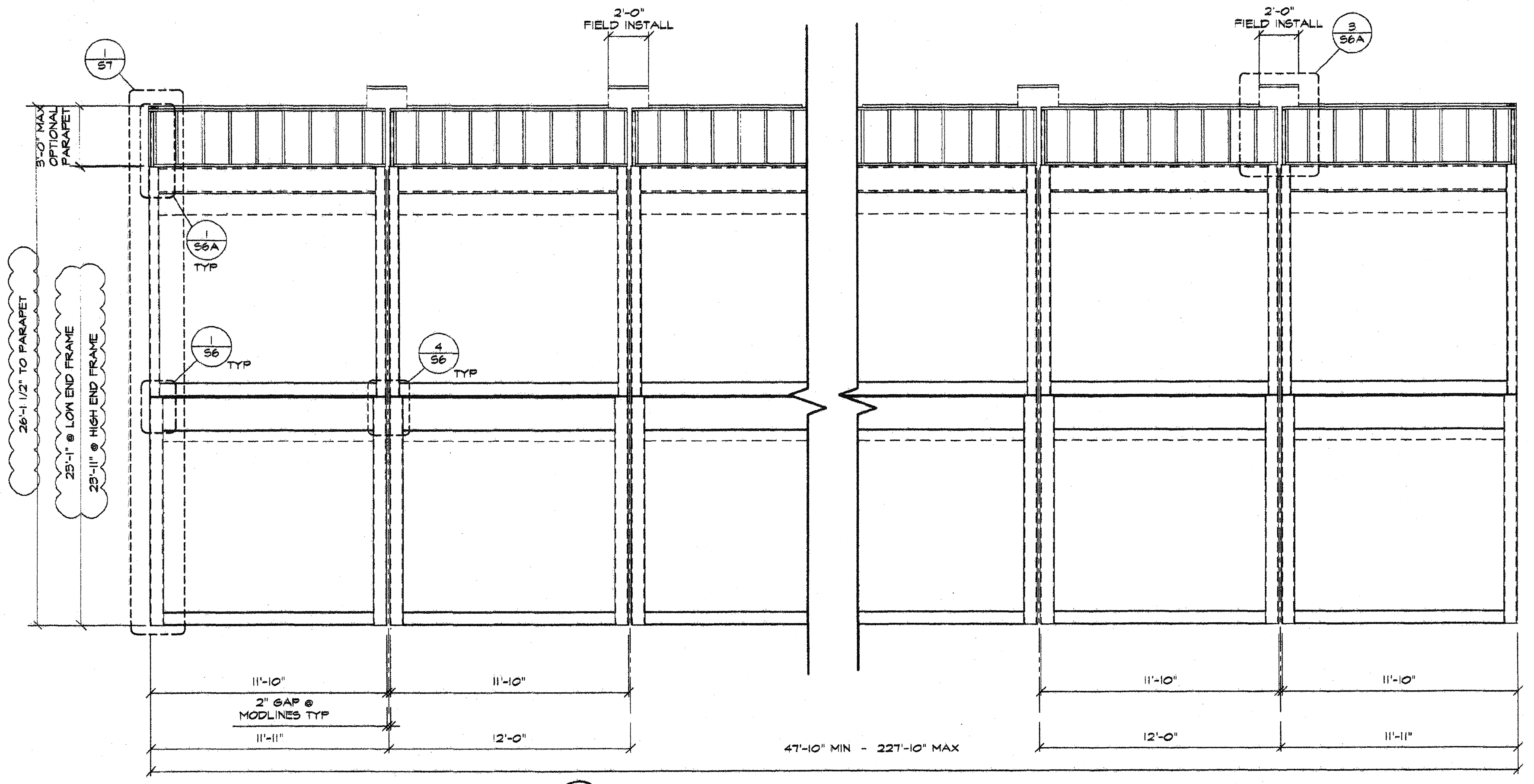


1 TYPICAL END FRAME SECTION UPPER FLOOR
1/4\"/>



2 TYPICAL END FRAME SECTION GROUND FLOOR
1/4\"/>

- SHEET NOTES -
- 1 W 8x24 GROUND FLOOR BEAM
 - 2 HSS 8x8x1/2
 - 3 4" MAX OPENING IN WEB OF FLOOR BEAM PER DETAIL 6A/54 WITHOUT WEB REINFORCEMENT HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS
 - 4 W 2x4 TRANSVERSE BEAM
 - 5 W 8x10 UPPER FLOOR BEAM
 - 6 HSS 8x8x1/2
 - 7 20x6x10ga FORMED C CHANNEL
 - 8 PARAPET LINE
 - 9 CEILING LINE
 - 10 3 1/2x3 1/2x1/4" HSS COLUMN @ PARAPET SEE 1 & 1A/56A FOR DETAILS
 - 11 6" MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCING SPACE HOLES @ 60" O.C. MIN. HOLE CAN OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM
- NOTE:
IF HOLE IS LESS THAN 2" SPACE HOLES @ 24" O.C. MIN AND NO REINFORCEMENT IS REQUIRED
- 12 30"x12" MAX OPENING ALLOWED IN WEB OF ROOF BEAM NO REINFORCEMENT REQUIRED IF OPENING IS 16"x10" OR SMALLER



3 FRONT/REAR ELEVATION
1/4\"/>

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 05-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

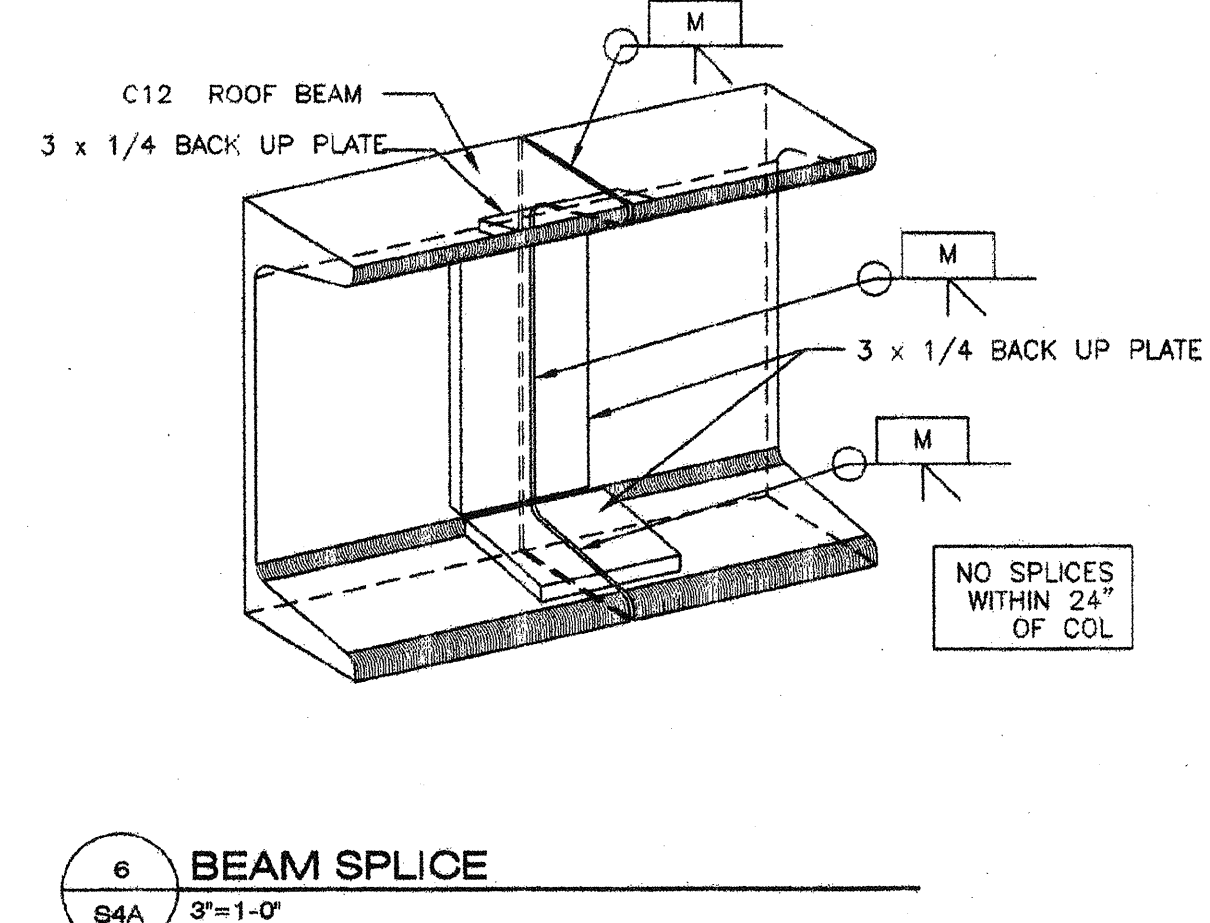
CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
TRANSVERSE FRAME ELEVATION

APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
Professional Engineer Seal for Kenneth A. Lumb, No. 2448, Exp. 12-31-11, Structural Engineer, State of California.

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROX 113828
AC FLS SS ED
DATE JUL 8 6 2011
Professional Engineer Seal for Kenneth A. Lumb, No. 2448, Exp. 12-31-11, Structural Engineer, State of California.

PROJECT NO.
PC
S4

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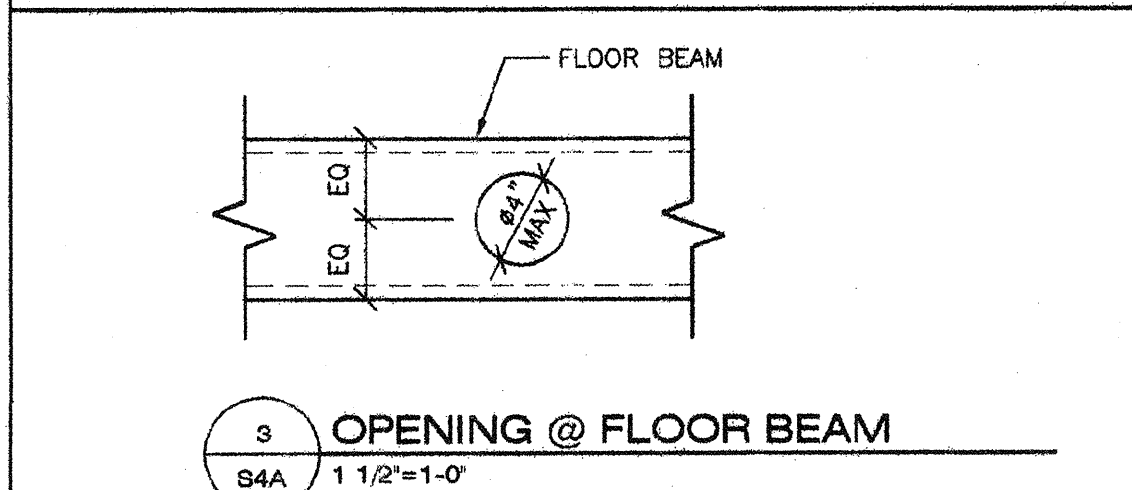


6 BEAM SPLICE
84A 3'-1-0"

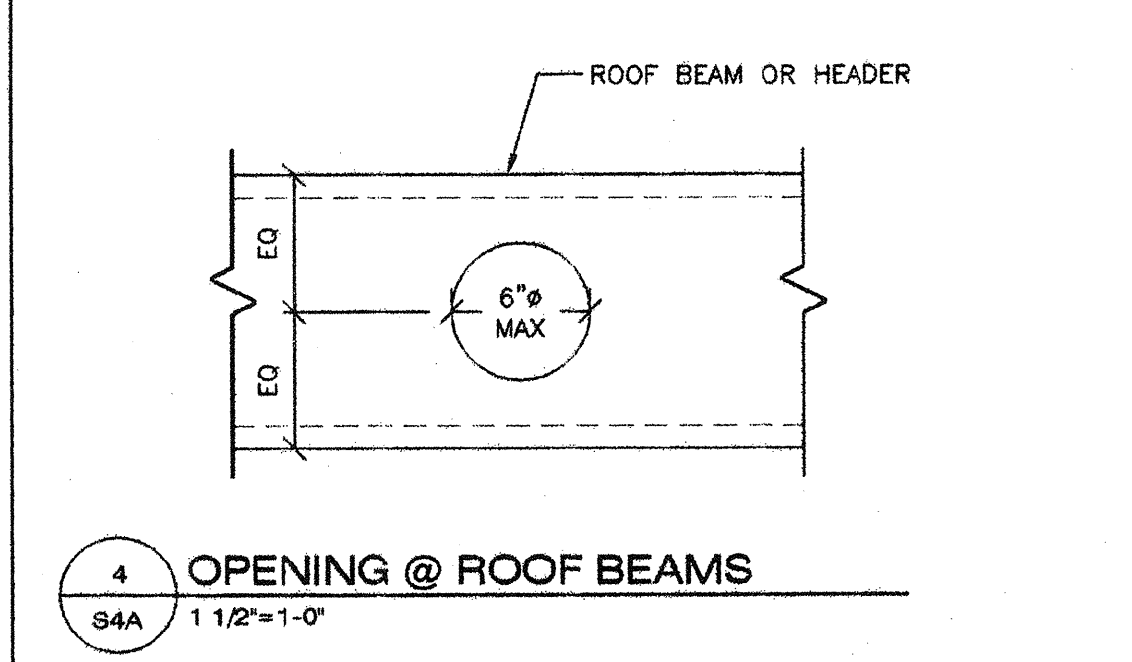
- GENERAL NOTES -

THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D.1-06 AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO THE D.S.A.
TYPICAL DETAILS 1/54A, 2/54A

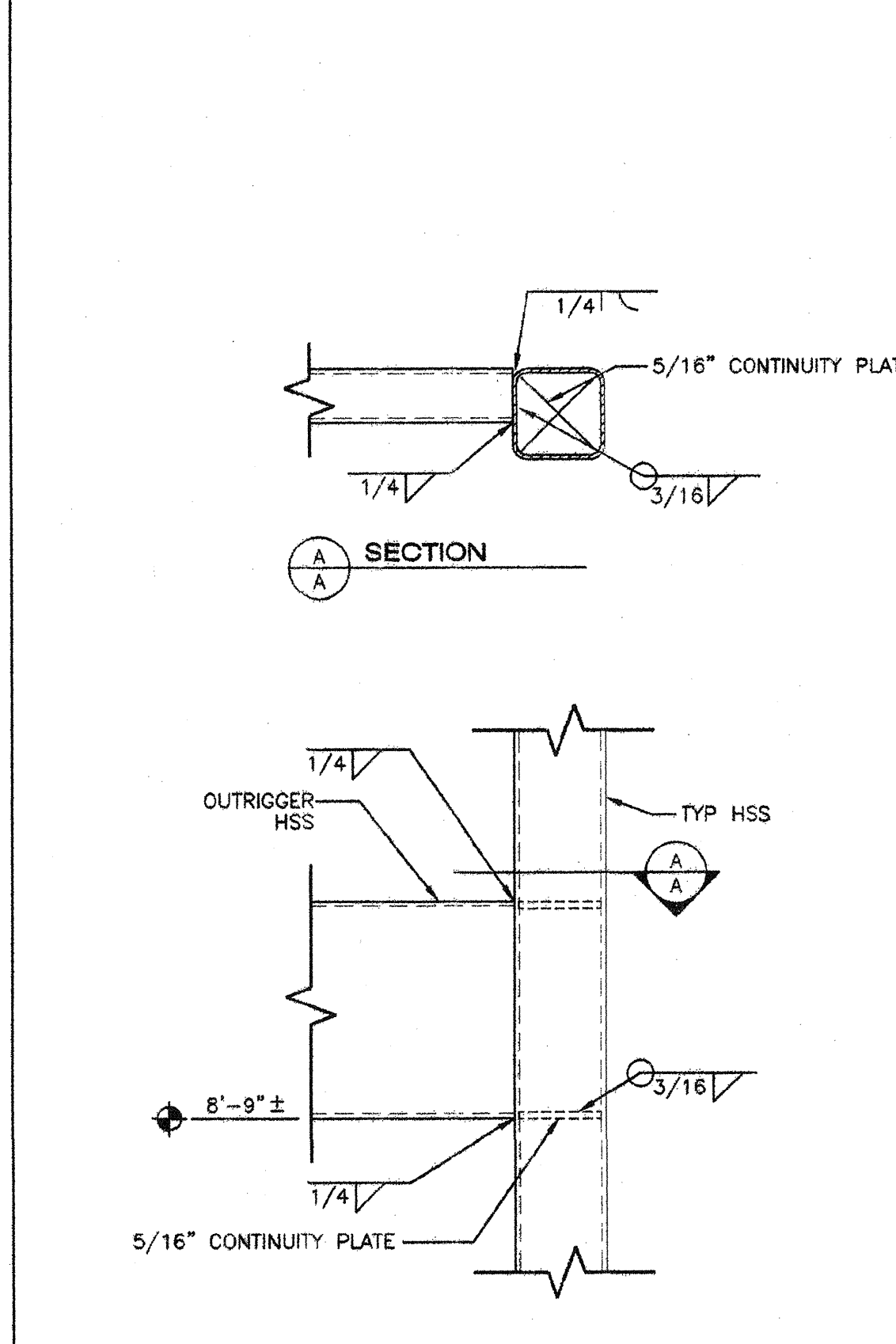
ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.



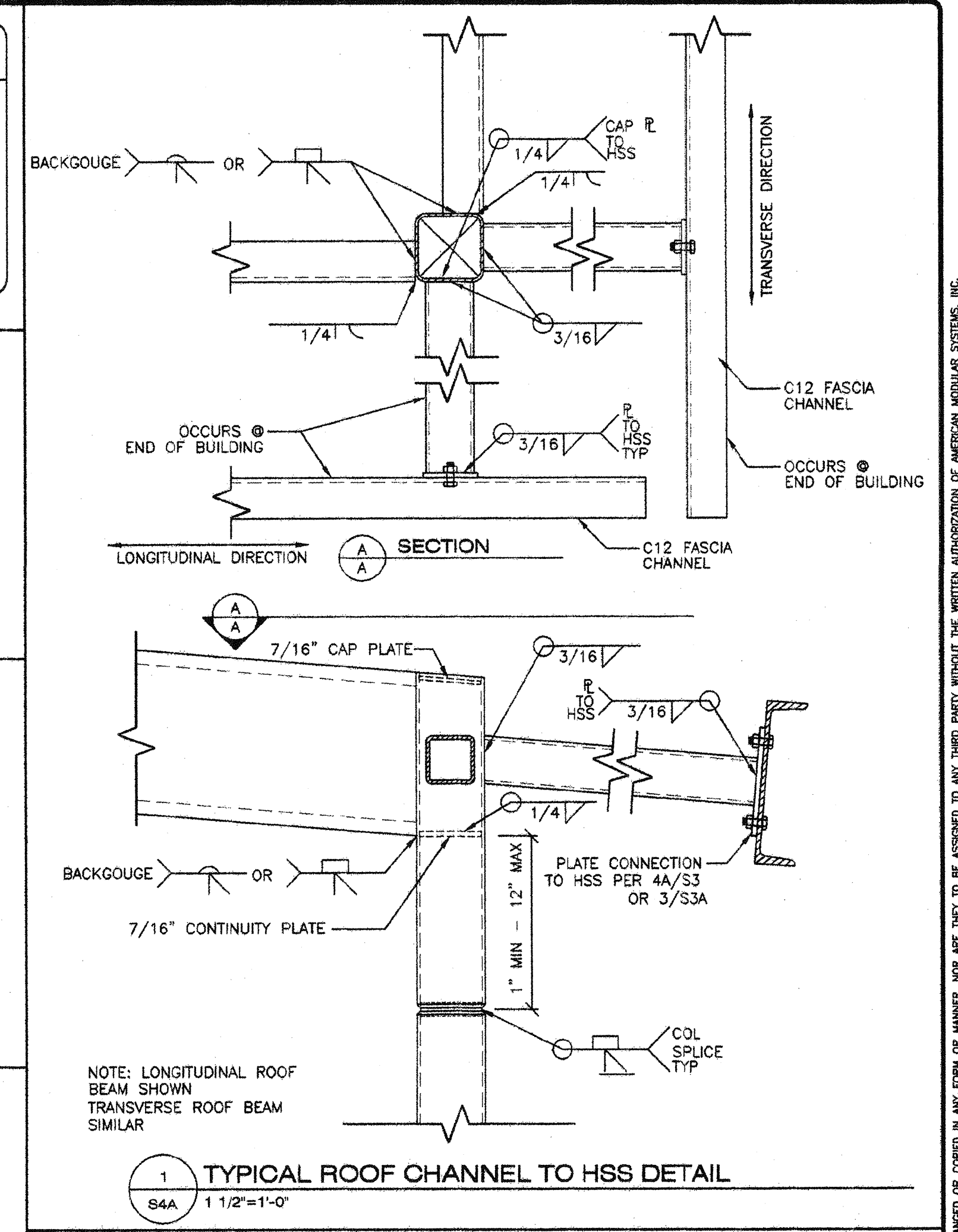
3 OPENING @ FLOOR BEAM
84A 1 1/2'-1-0"



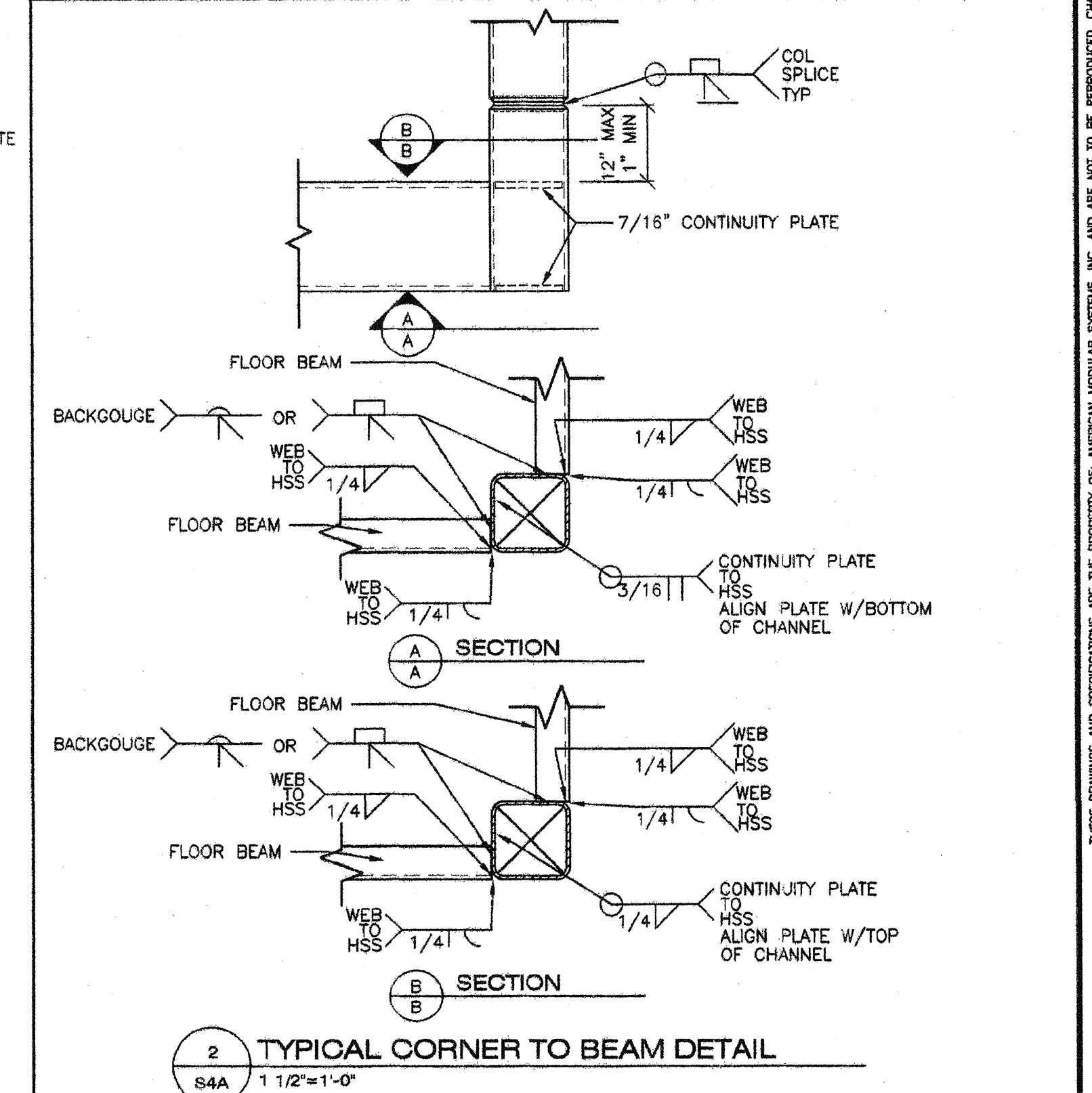
4 OPENING @ ROOF BEAMS
84A 1 1/2'-1-0"



5 OUTRIGGER SHADE STRUCTURE ATTACHMENT DETAIL
84A 1 1/2'-1-0"



1 TYPICAL ROOF CHANNEL TO HSS DETAIL
84A 1 1/2'-1-0"

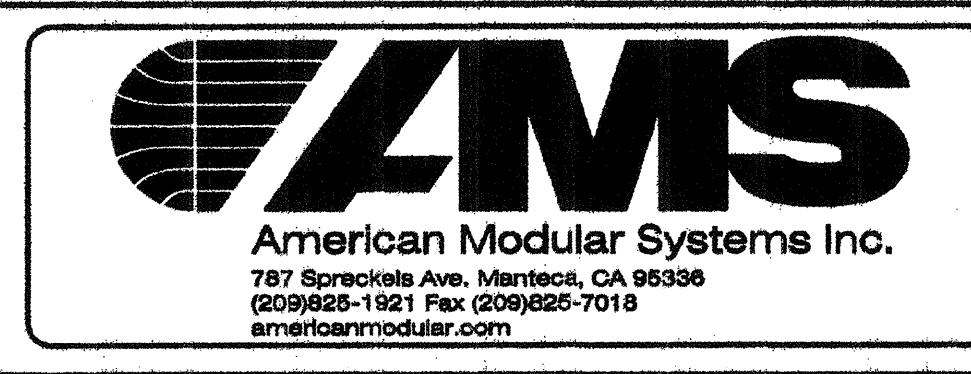


2 TYPICAL CORNER TO BEAM DETAIL
84A 1 1/2'-1-0"

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 11/01/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
30'x32' THRU 150'x32' GENERATION 7 PREFABRICATED BUILDINGS FRAME CONNECTION DETAILS



APPROVALS:
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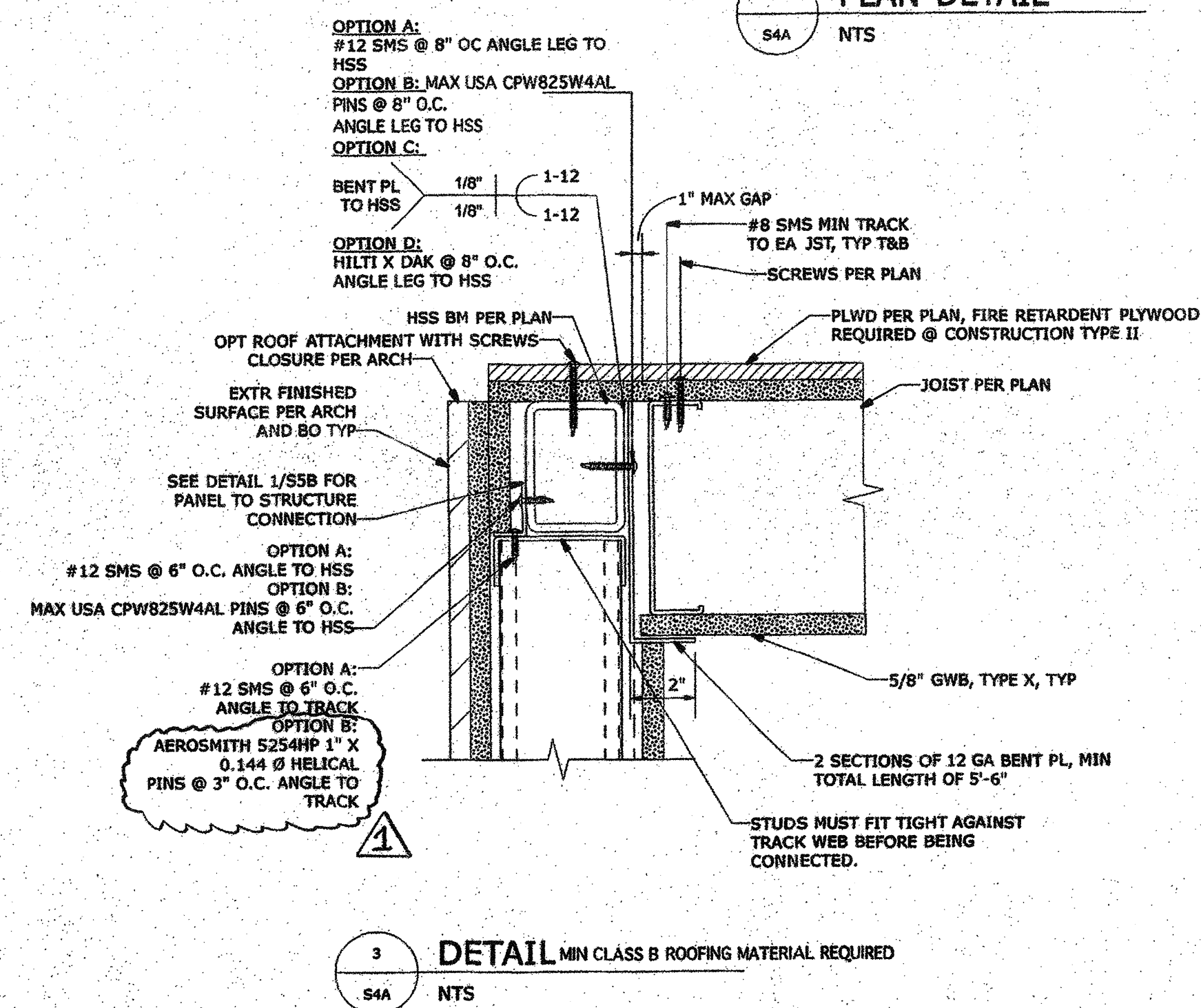
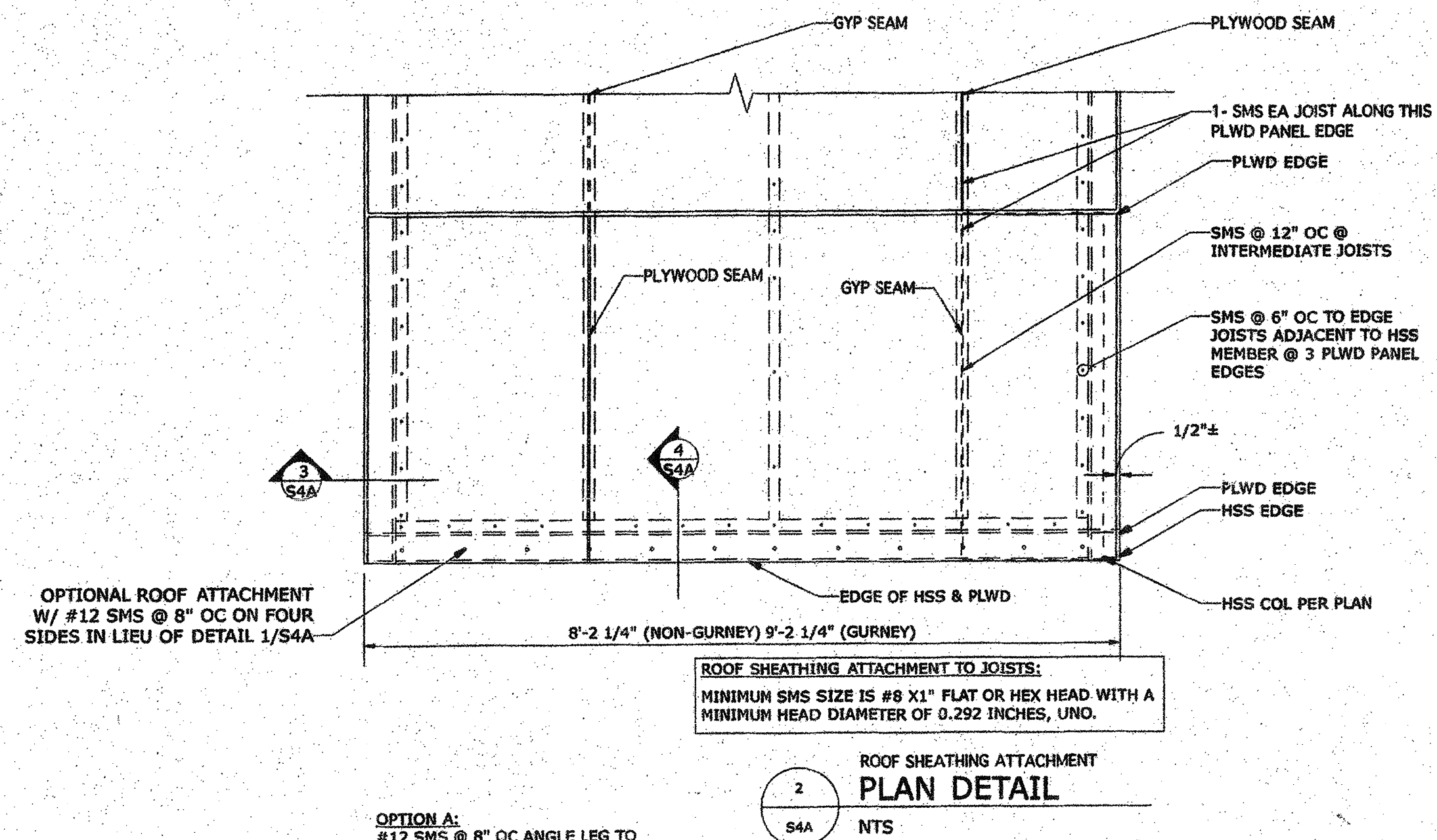
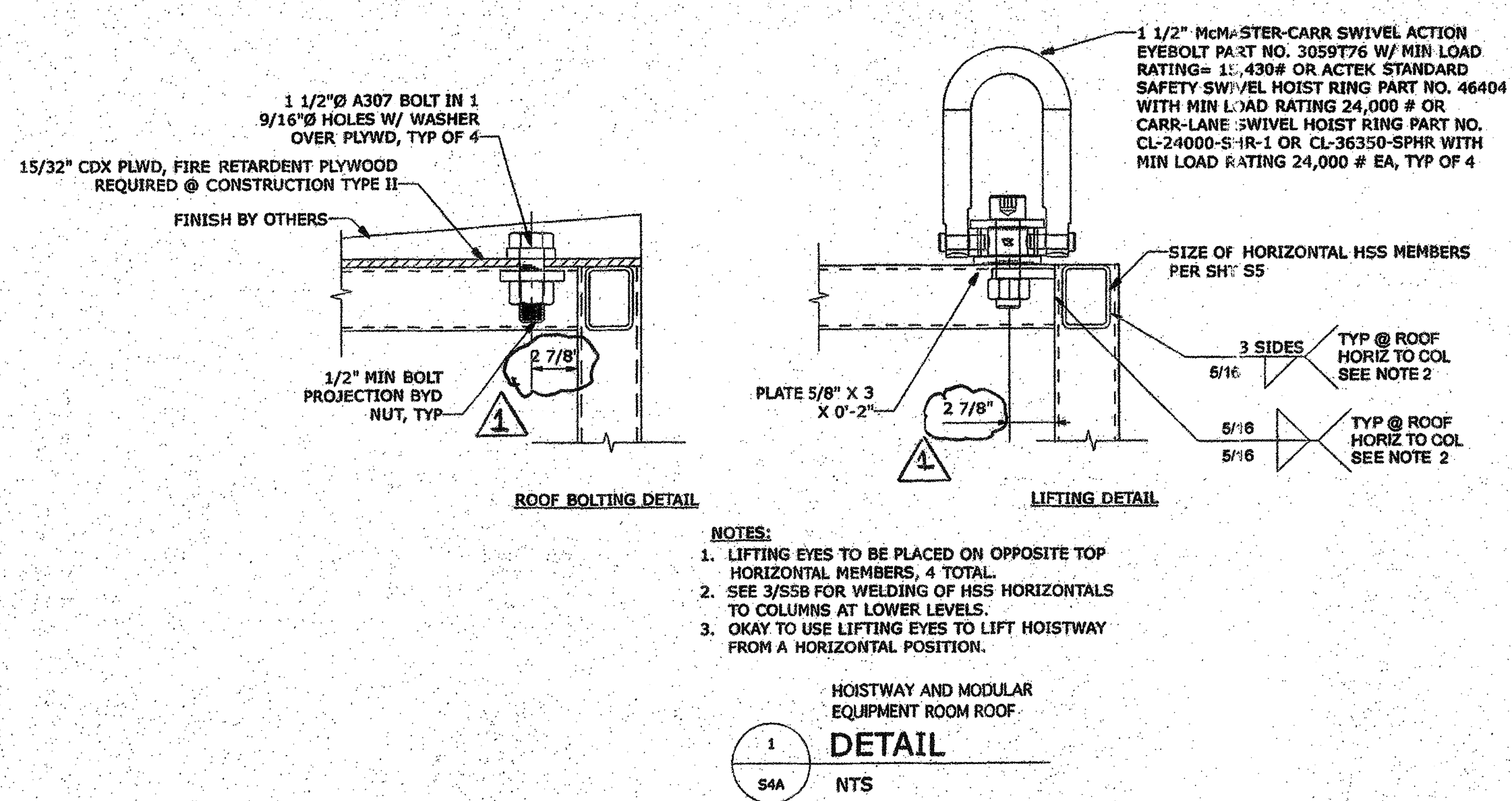
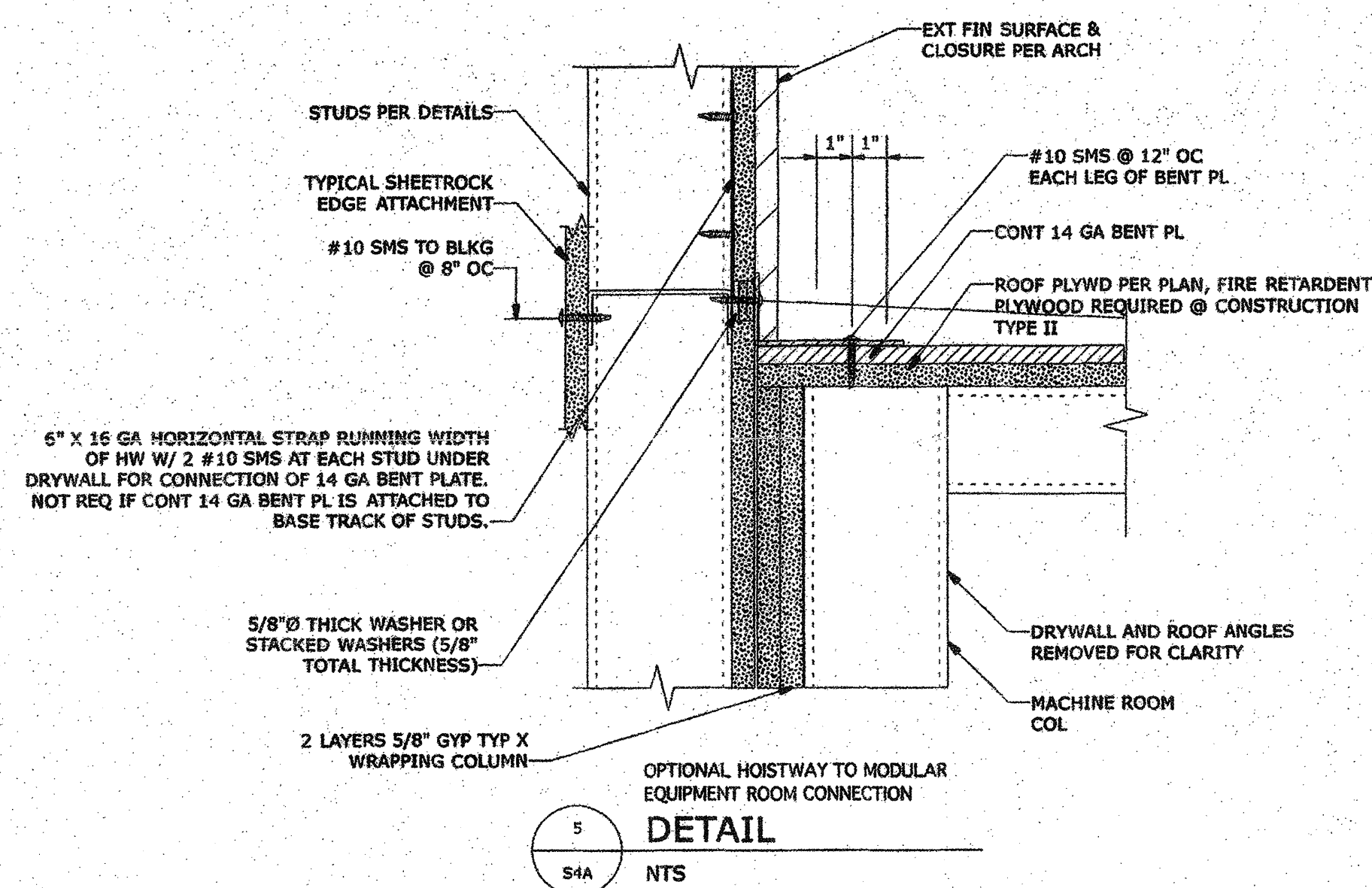
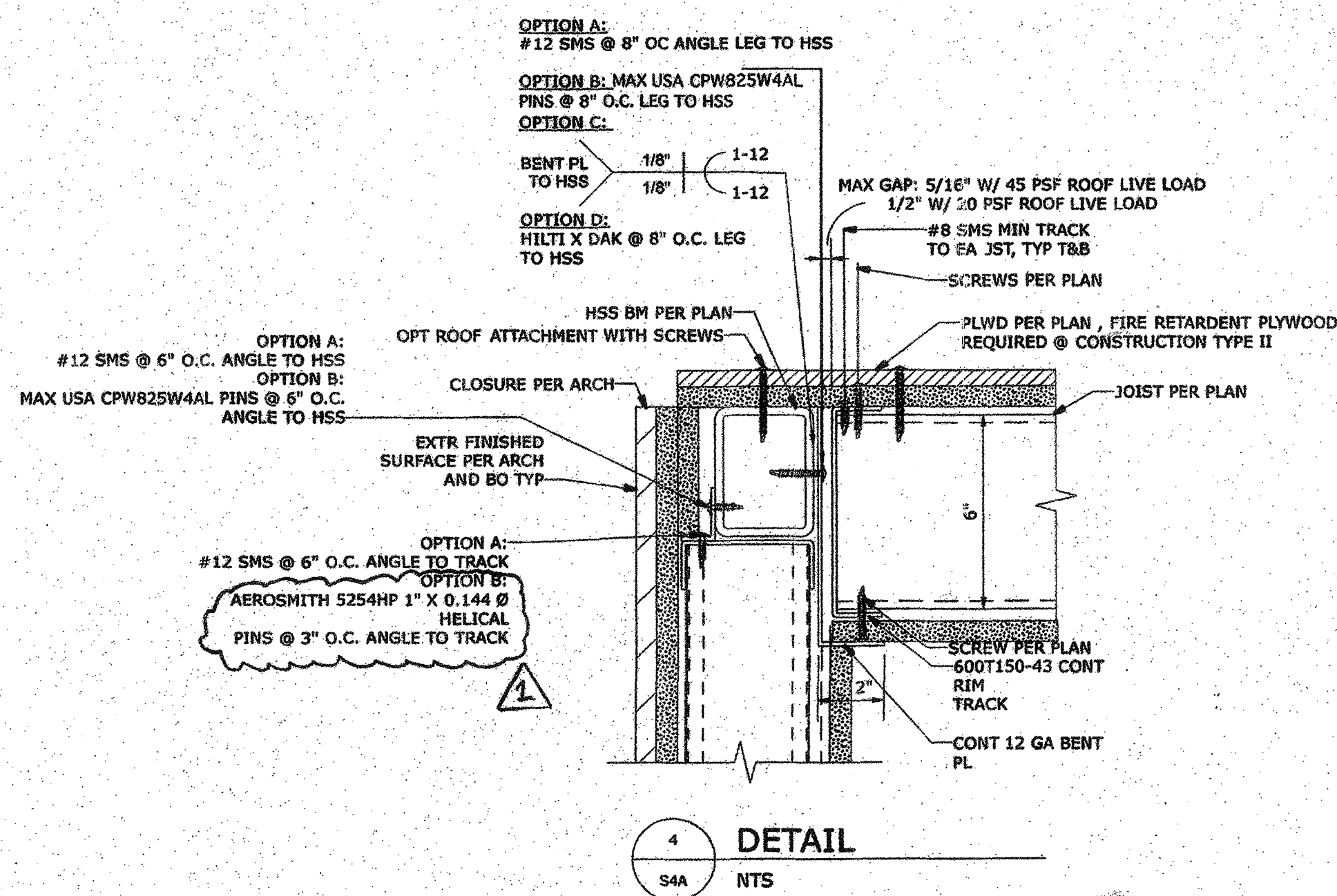
Professional Engineer Seal

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DIV. OF THE STATE ARCHITECT
APP# 113828
AC: FLS SS EP
DATE: JUL 8 2011

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DIV. OF THE STATE ARCHITECT
PC 02-110964
AC: FLS SS EP
DATE: 12/19/09

PROJECT No.
S4A

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NO.	DATE	REVISION
1	5-5-08	ISSUE FOR PERMITS / MODIFIED

REGISTERED PROFESSIONAL ENGINEER
 Kenneth A. Latham
 No. 1418
 Exp. 3-31-11
 Structural Engineer

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MODULAR ELEVATOR MANUFACTURING, INC.
 P.O. BOX 3998
 CHATSWORTH, CA. 91313
 866-926-9083

PROJECT NO:	
DATE:	4/17/08
ENGINEERED BY:	
DRAWN BY:	KPM
SHEET NAME:	ROOF DETAILS
SHEET NO.:	

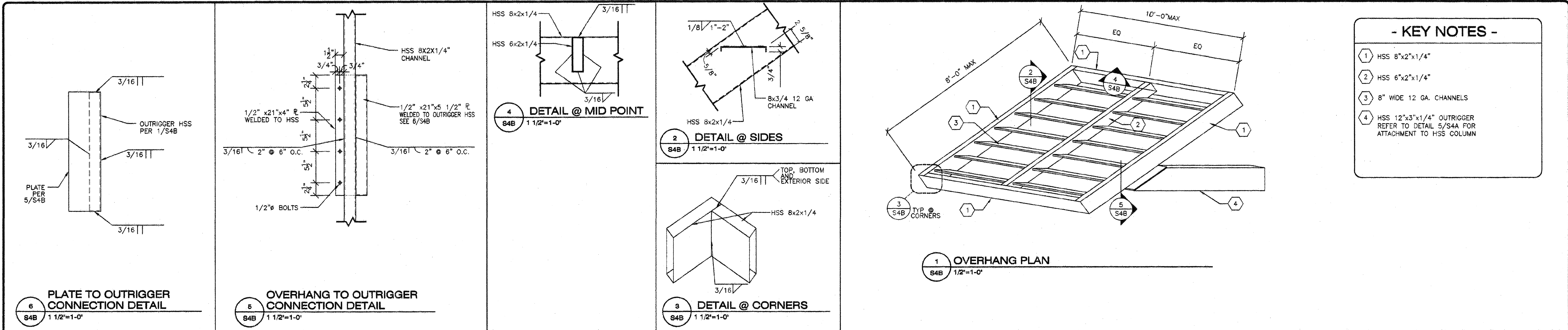
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 OFFICE OF REGULATION SERVICES

APR03 11 38 28
 AC FLS SS 80
 DATE JUL 18 2011

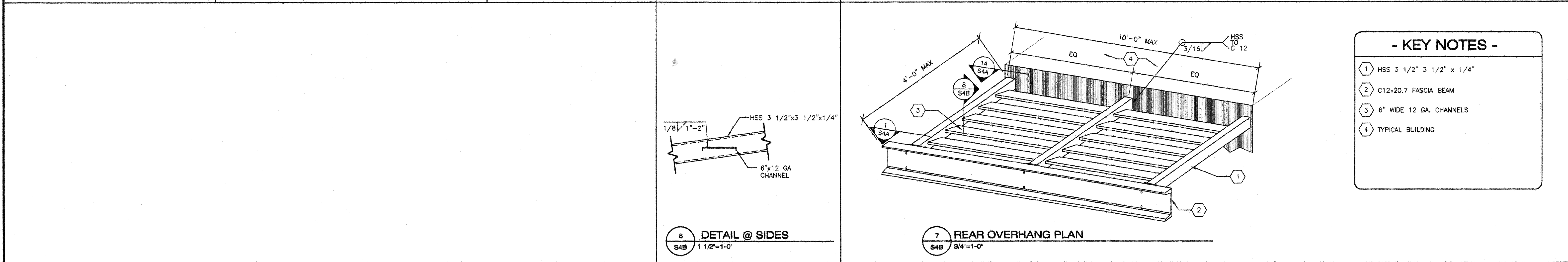
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 OFFICE OF REGULATION SERVICES

APPLICATION NO.
 02-106679
 AC FLS SS 80
 DATE 7/18/11

S4A



- KEY NOTES -**
- 1 HSS 8"x2"x1/4"
 - 2 HSS 6"x2"x1/4"
 - 3 8" WIDE 12 GA. CHANNELS
 - 4 HSS 12"x3"x1/4" OUTRIGGER REFER TO DETAIL 5/S4A FOR ATTACHMENT TO HSS COLUMN



- KEY NOTES -**
- 1 HSS 3 1/2" x 3 1/2" x 1/4"
 - 2 C12x20.7 FASCIA BEAM
 - 3 8" WIDE 12 GA. CHANNELS
 - 4 TYPICAL BUILDING

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 11-01-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
30' x 32' THRU 150' x 32' GEN 7 PREFABRICATED BUILDINGS OVERHANG PLAN AND DETAILS



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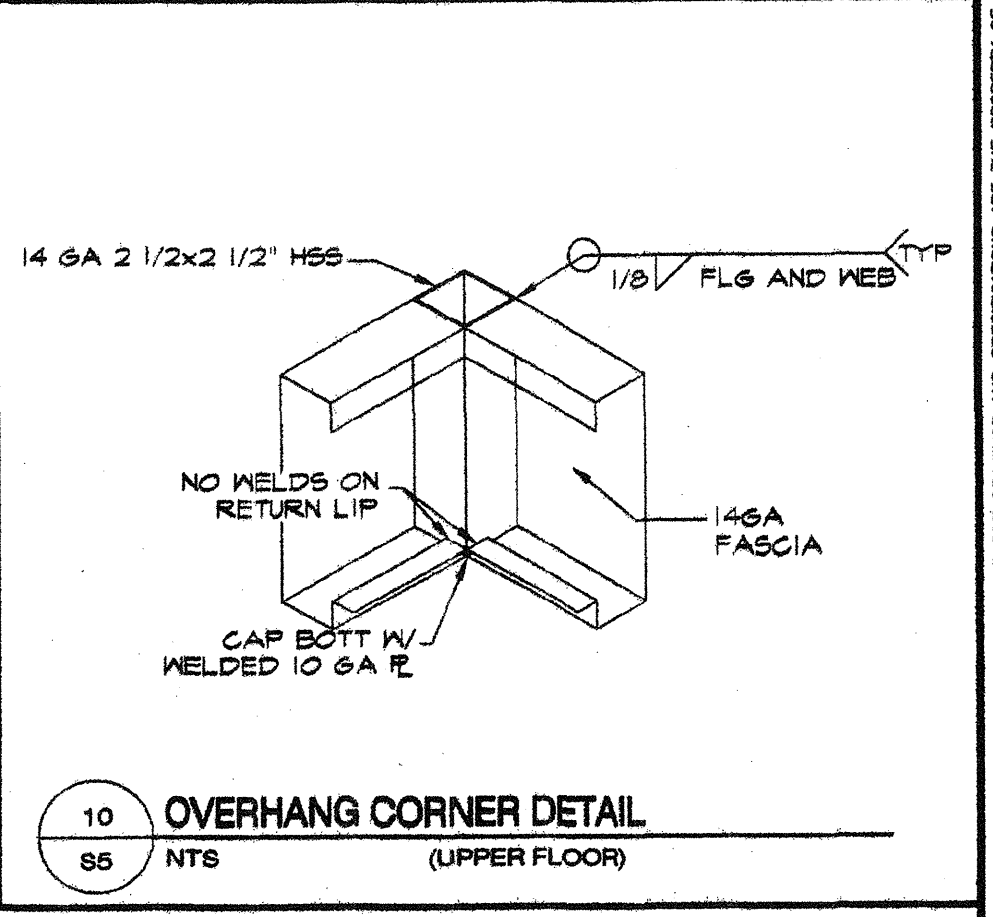
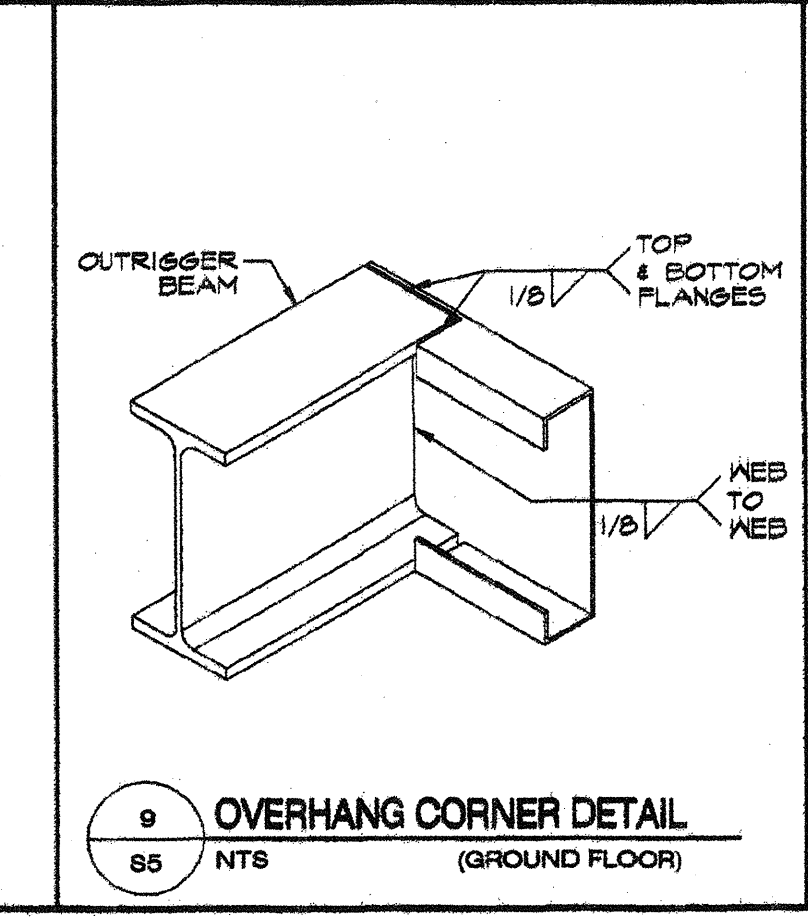
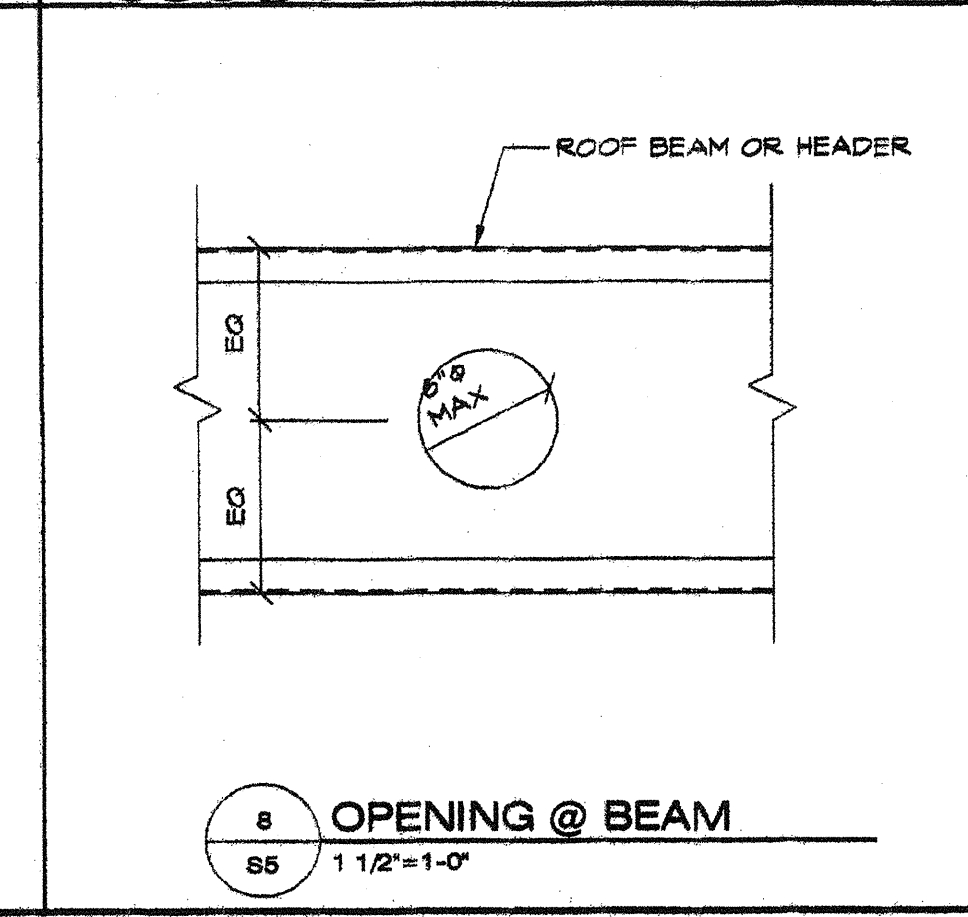
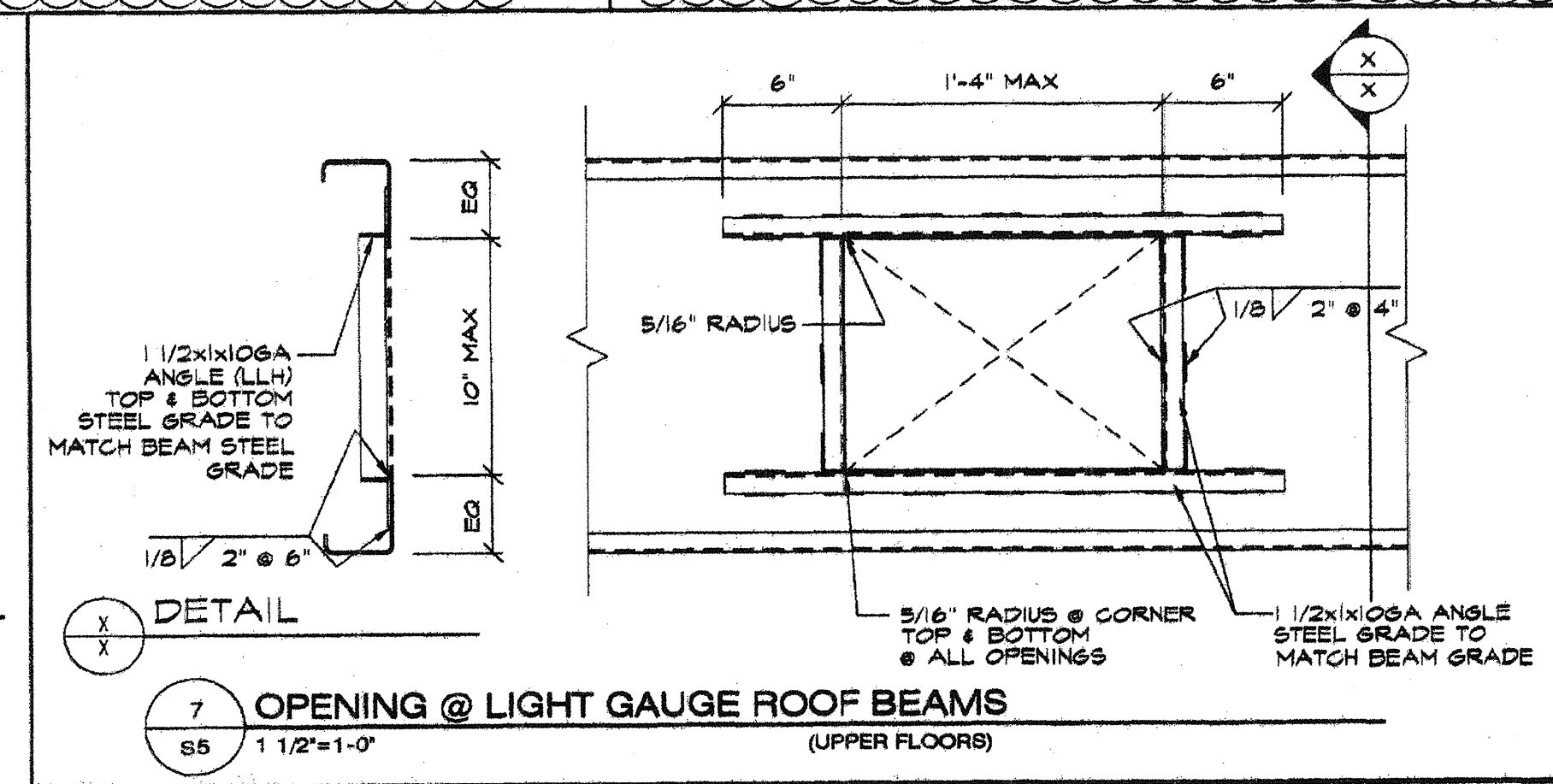
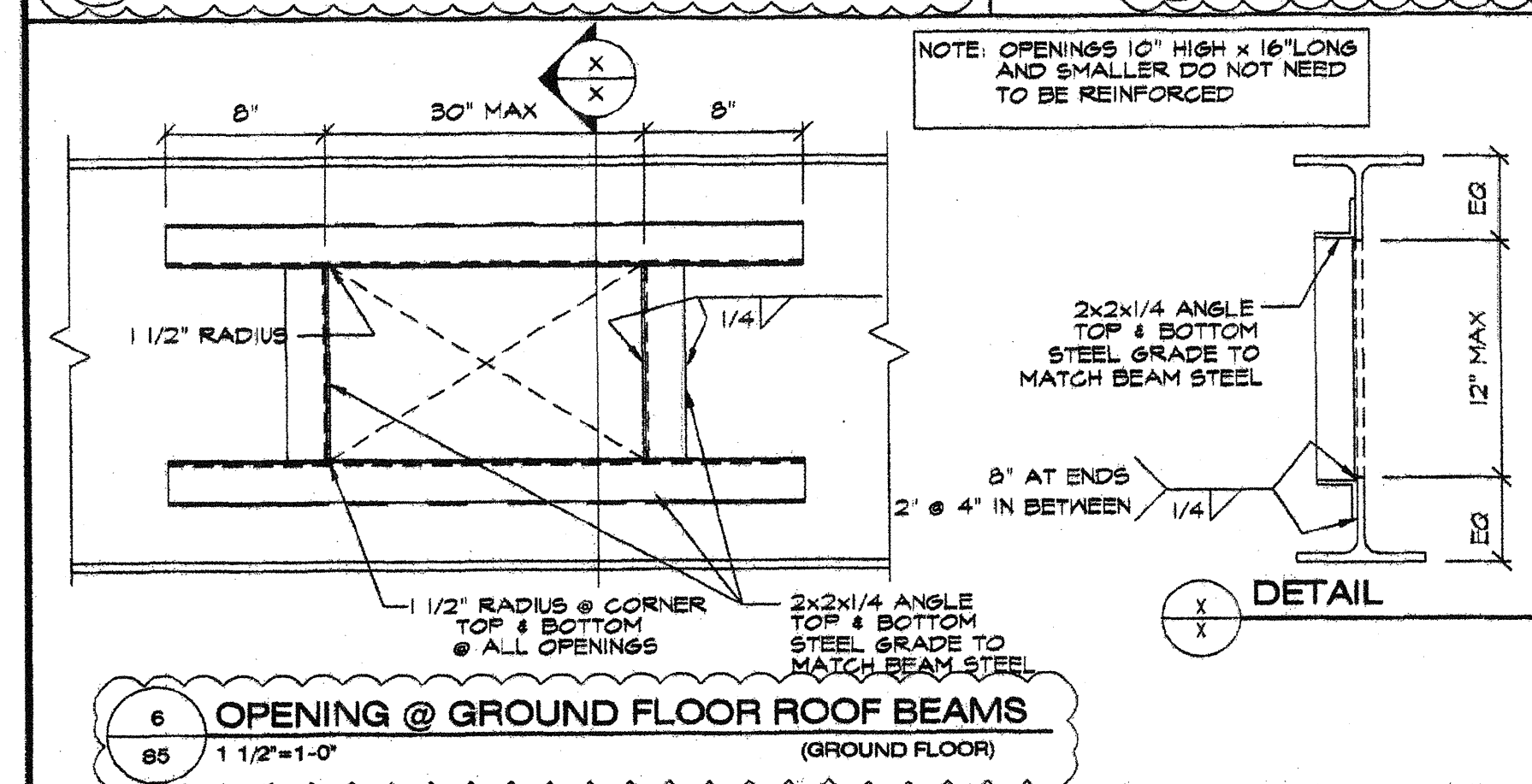
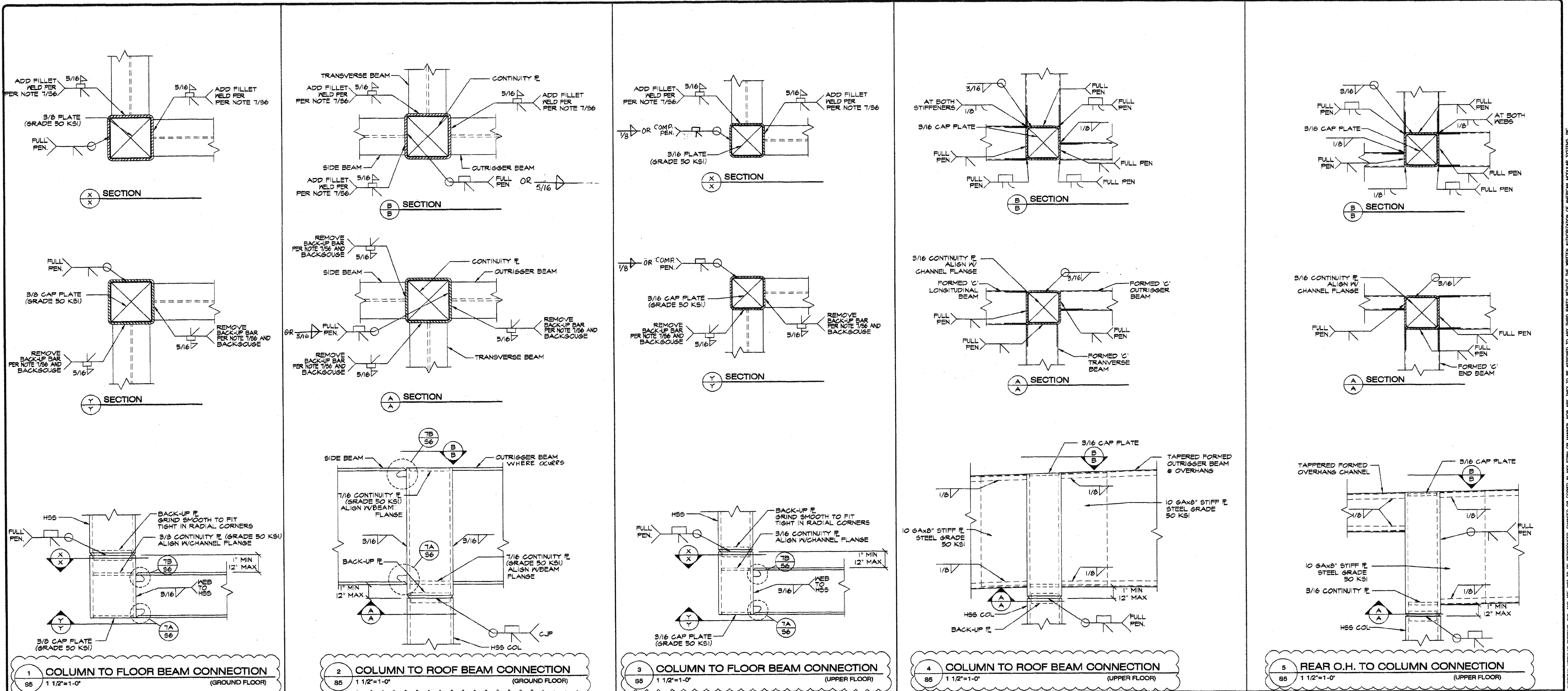
Kenneth A. Lutz
No. 3418
EXP. 3-31-11
Structural Engineer
STATE OF GEORGIA

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DW. OF THE STATE ARCHITECT
APP03 1 1 3 8 2 8
AC: FLS SS: ED
DATE: JUL 08 2011

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DW. OF THE STATE ARCHITECT
PC 02-110964
AC: FLS SS: ED
DATE: 12/9/09

PROJECT NO.
S4B

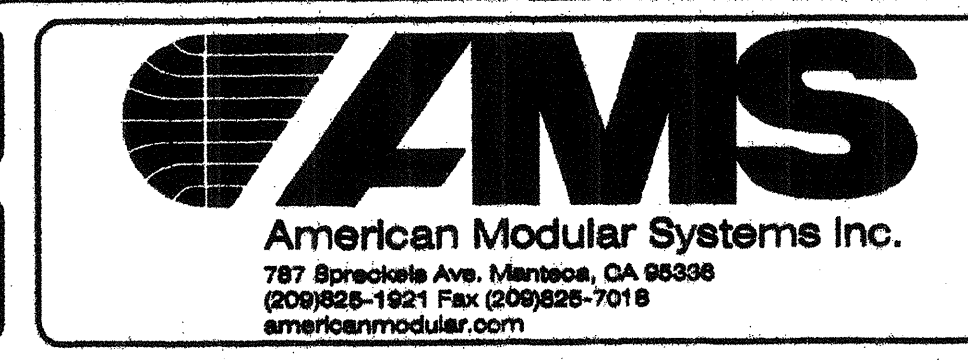
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REVISIONS	
NO.	DESCRIPTION

DATE: 05-17-10
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 48' - 240' x 40' 2 STORY BUILDING
 FRAME CONNECTION DETAILS

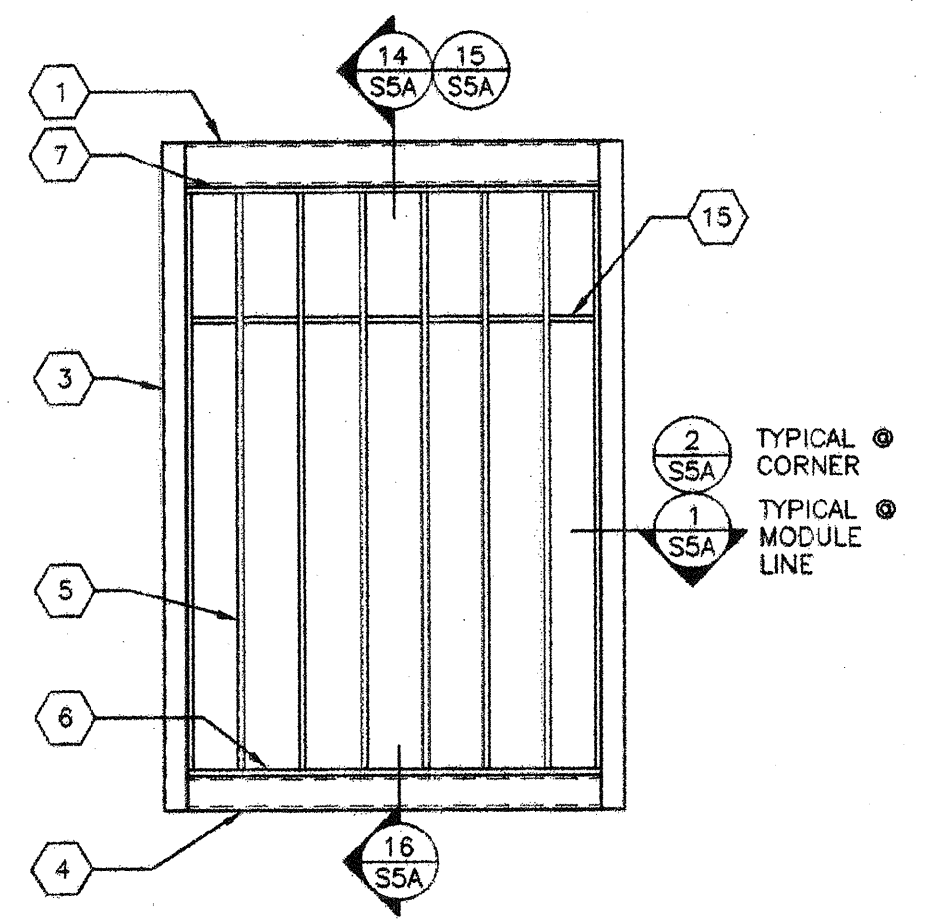


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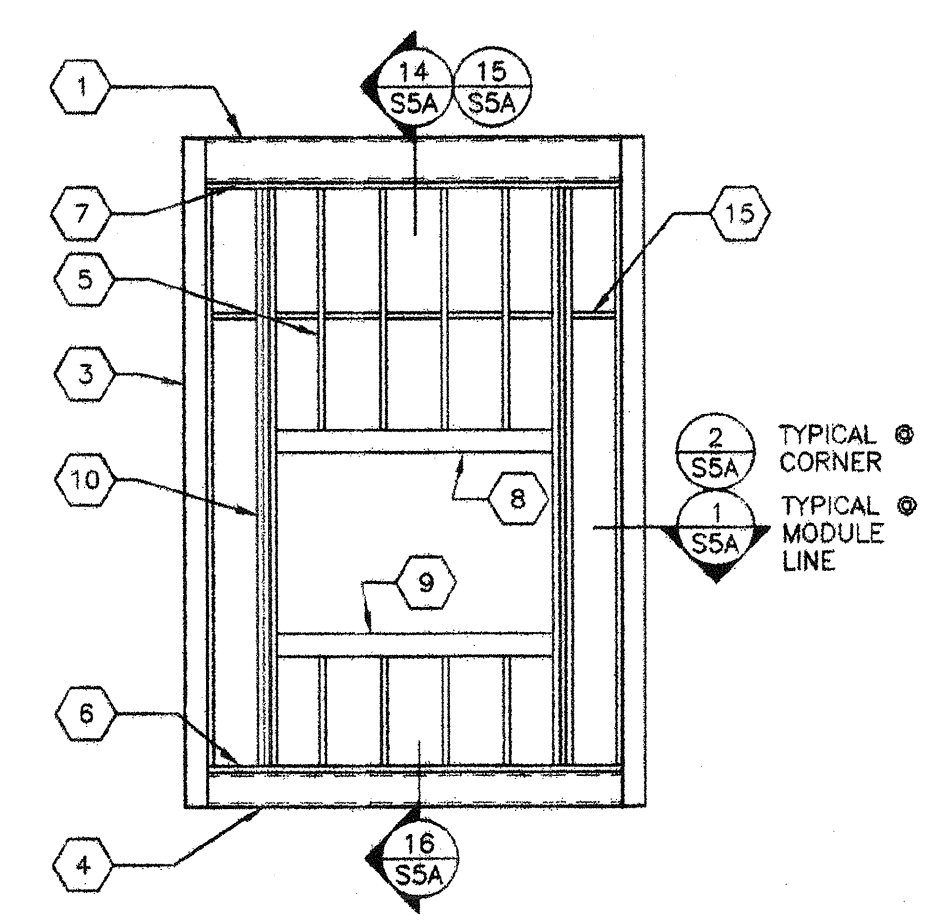
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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPROX 113828
 AC: FLS SS: [initials]
 DATE: JUL 06 2011

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 OFFICE OF REGULATION SERVICES
 PC 02-110618
 AC: FLS SS: [initials]
 DATE: 7-19-10

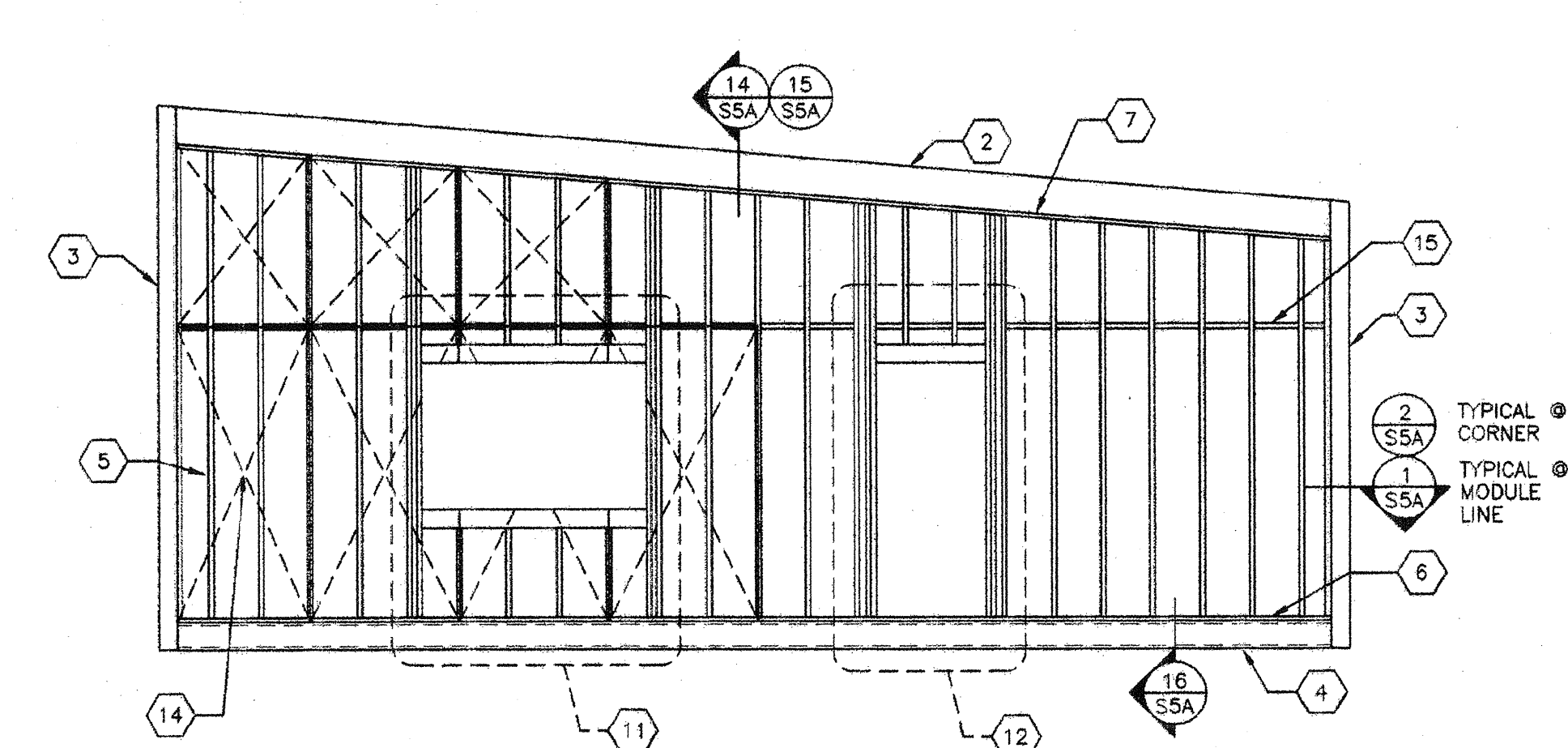
PROJECT NO.
 PC
S5



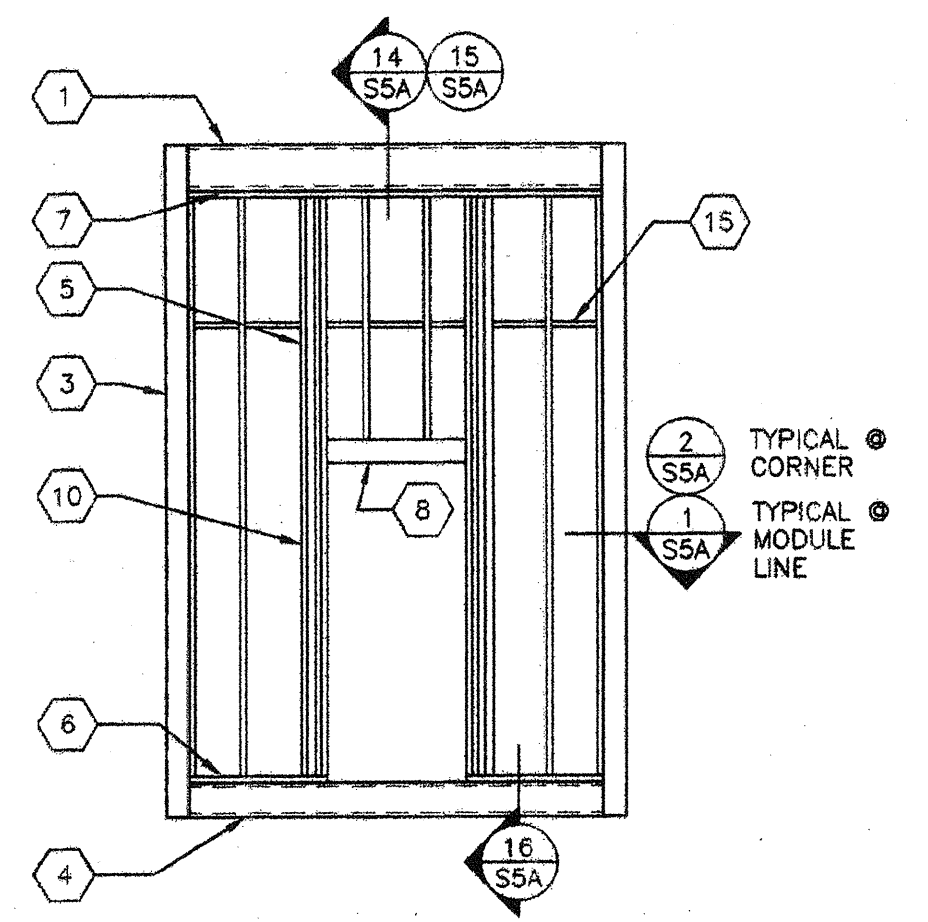
1 TYP. END WALL FRAMING W/NO OPENINGS
85 1/4"=1'-0"



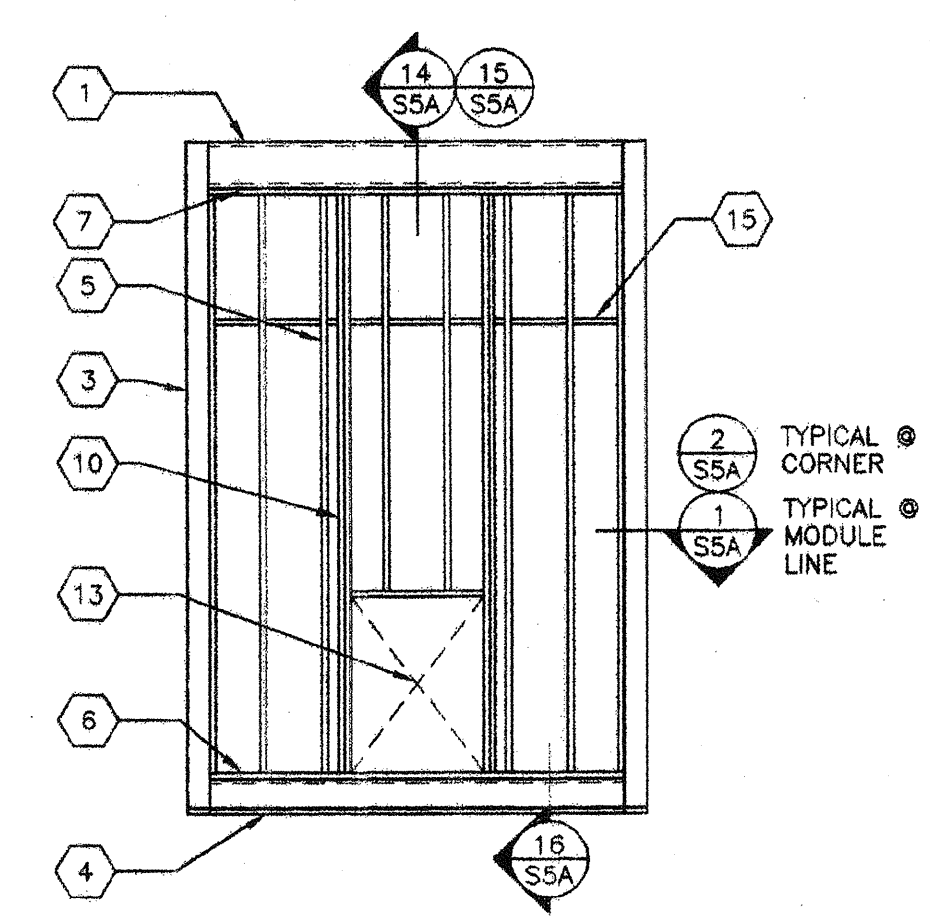
2 TYP. END WALL FRAMING W/WINDOW
85 1/4"=1'-0"



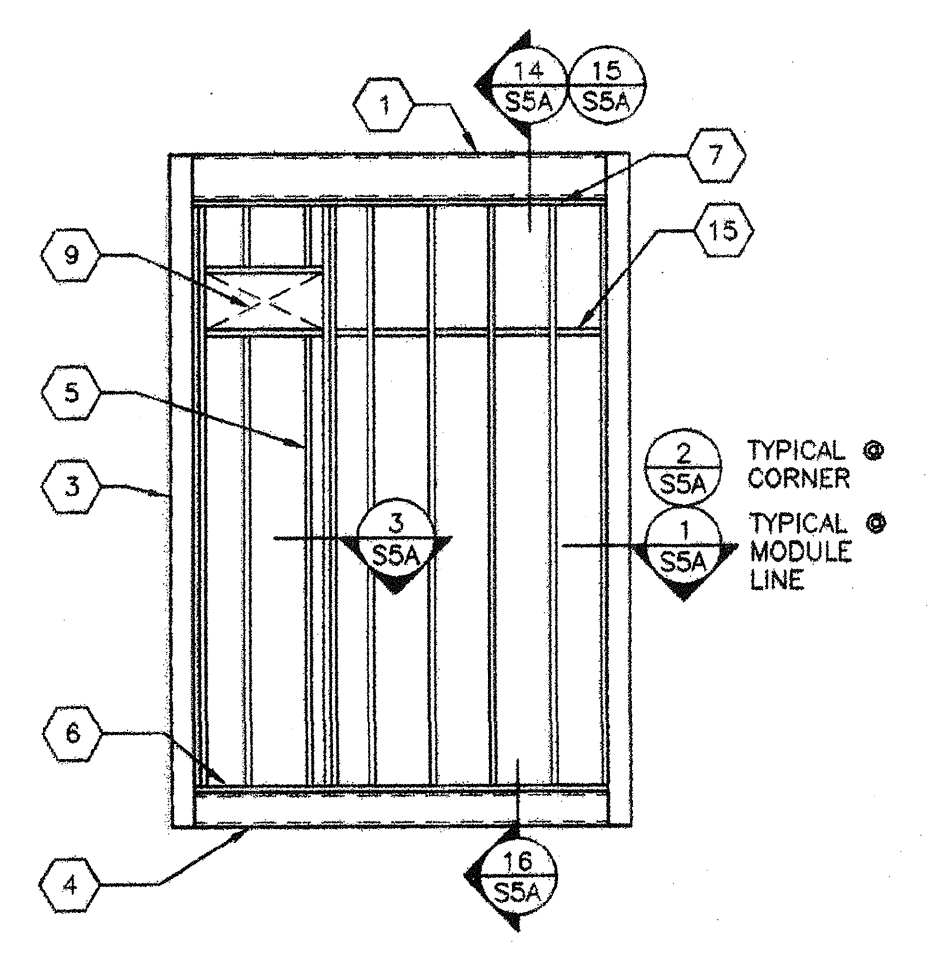
5 TYP. SIDE WALL FRAMING
85 1/4"=1'-0"



3 TYP. END WALL FRAMING W/DOOR OPENING
85 1/4"=1'-0"



4 TYP. END WALL FRAMING W/INDOOR HVAC OPENING
85 1/4"=1'-0"



5 TYP. END WALL FRAMING W/WALL HUNG HVAC UNIT
85 1/4"=1'-0"

OPENING SCHEDULE

DOOR/WINDOW OPENINGS AT TYPICAL WALL (NO STUCCO)

OPENING	HEADER ³	KING STUDS ⁴	HEADER TO KING STUDS NAILS	SILL TO KING STUDS NAILS
8'-0" UP TO 10'-0"	(3) 2x6	3	8	5
6'-0" UP TO 8'-0"	(3) 2x6	2	6	4
3'-0" UP TO 6'-0"	(3) 2x6	2	5	3
3'-0" OR LESS	(3) 2x6	2	3	3

DOOR/WINDOW OPENINGS AT BUILDING CORNERS² (NO STUCCO)

OPENING	HEADER ³	KING STUDS ⁴	HEADER TO KING STUDS NAILS	SILL TO KING STUDS NAILS
8'-0" UP TO 10'-0"	(3) 2x6	3	9	6
6'-0" UP TO 8'-0"	(3) 2x6	3	8	5
3'-0" UP TO 6'-0"	(3) 2x6	2	6	4
3'-0" OR LESS	(3) 2x6	2	4	4

DOOR/WINDOW OPENINGS AT STUCCO WALLS

OPENING	HEADER ³	KING STUDS ⁴	HEADER TO KING STUDS NAILS	SILL TO KING STUDS NAILS
8'-0" UP TO 10'-0"	(3) 2x6	4	10	5
6'-0" UP TO 8'-0"	(3) 2x6	3	8	4
3'-0" UP TO 6'-0"	(3) 2x6	3	6	3
3'-0" OR LESS	(3) 2x6	2	4	3

DOOR/WINDOW OPENINGS AT WALL W/ STUCCO WITHIN BUILDING CORNERS²

OPENING	HEADER ³	KING STUDS ⁴	HEADER TO KING STUDS NAILS	SILL TO KING STUDS NAILS
8'-0" UP TO 10'-0"	(3) 2x6	4	11	6
6'-0" UP TO 8'-0"	(3) 2x6	4	9	5
3'-0" UP TO 6'-0"	(3) 2x6	3	7	4
3'-0" OR LESS	(3) 2x6	2	4	4

- PROVIDE (2) SIMPSON A34'S T&B OF KING STUDS TO PLATES FOR OPENINGS GREATER THAN 3'-0". PROVIDE (1) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS 3'-0" OR LESS.
- WALL CORNERS ARE DEFINED AS A DISTANCE OF 6'-6" FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH 2160 SQ. FT. OR GREATER AND A DISTANCE OF 4 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH LESS THAN 2160 SQ. FT.
- SEE 4/SSA FOR HEADER DETAIL.

EXTERIOR WALL FINISH/WALL STUD SCHEDULE

FINISH TYPE	FOUNDATION TYPE	STUD TYPE	STUD SPACING TYPICAL	STUD SPACING @ CORNERS
5/8" PLYWOOD SHEATHING JOG CONFORMING TO PS1-95, VERTICAL GROOVES @ 8" OC	WOOD OR CONCRETE	HEM FIR #2	16" OC	18" OC
5/8" HARDIBOARD WITH SYNTHETIC STUCCO	WOOD OR CONCRETE	HEM FIR #2	16" OC	18" OC
5/8" HARDI-LAP SIDING	WOOD OR CONCRETE	DOUG FIR #2	16" OC	18" OC
2" PLYWOOD SHEATHING CONFORMING TO PS1-95, APA RATED, 5 PLY 32/18, OR 1/2" O.S.B. PANELS	CONCRETE ONLY	HEM FIR #2	16" OC	12" OC
EXPOSURE 1 WITH 1/8" STUCCO		DOUG FIR #2	16" OC	18" OC

- ALL NAILS IN EXTERIOR APPLICATIONS TO BE GALVANIZED.
- WALL CORNERS ARE DEFINED AS A DISTANCE OF 6'-6" FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH 2160 SQ. FT. OR GREATER AND A DISTANCE OF 4 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH LESS THAN 2160 SQ. FT.
- TYPICAL PLYWOOD NAILING WHERE OCCURS .131x2 1/4" GALV @ 6" O.C. E.N. & 12" O.C. F.N. (ALL EDGES BLOCKED)

- KEY NOTES -

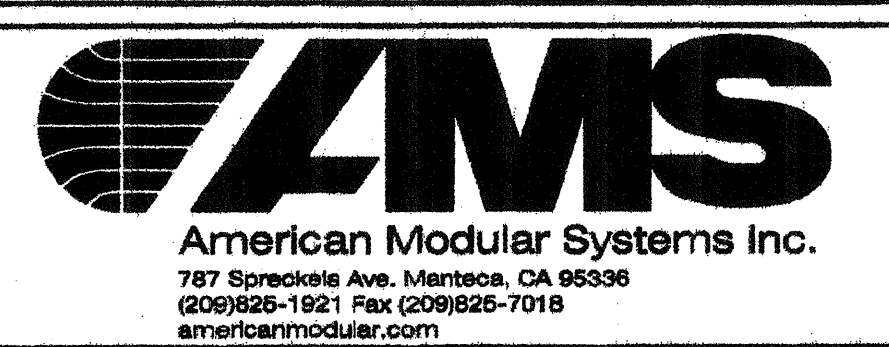
- TRANSVERSE ROOF BEAM
- LONGITUDINAL ROOF BEAM
- HSS COLUMN PER SHEET S4
- PERIMETER FLOOR BEAM
- 2x6 H.F. #2 STUDS SPACED PER SCHEDULE W/(3) .131"x3" END NAILS TO TOP AND BOTTOM PLATES (P.T. AT CONCRETE OR FORTACRETE FLOORS)
- 2x6 H.F. #2 BOTTOM PLATE (P.T. AT CONCRETE OR FORTACRETE FLOORS)
- 2x6 H.F. #2 TOP PLATE
- TYPICAL HEADER PER SCHEDULE
- TYPICAL WINDOW SILL PER SCHEDULE
- KING STUDS PER SCHEDULE
- OPTIONAL WINDOW OPENING MAX 10'-0" WIDE (REFER TO 2/SS FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- OPTIONAL DOOR OPENING (REFER TO 3/SS FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- HVAC OPENING REFER TO OPENING SCHEDULE
- EXTERIOR WALL FINISH PER SCHEDULE
- 2x6 BLOCKING

REVISIONS

NO	DATE	DESCRIPTION

DATE: 11-01-09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
WALL FRAMING ELEVATIONS WOOD STUDS

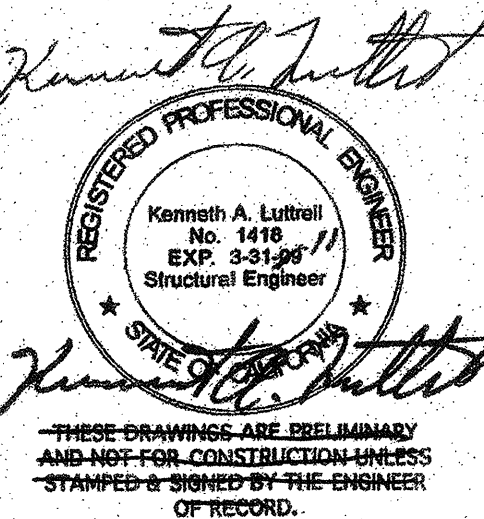


APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
Professional Engineer Seal: Kenneth A. Lohr, No. 448, Exp. 3/31/11, State of California.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPG 113828
AC: FLS, SS, JF
DATE: JUL 6 8 2009
PC 02-110994
AC: FLS, SS, JF
DATE: 12/9/09

PROJECT No.
S5

NO.	DATE	REVISION
1	5-4-09	ENGINEERING/PRODUCTION/REVISION

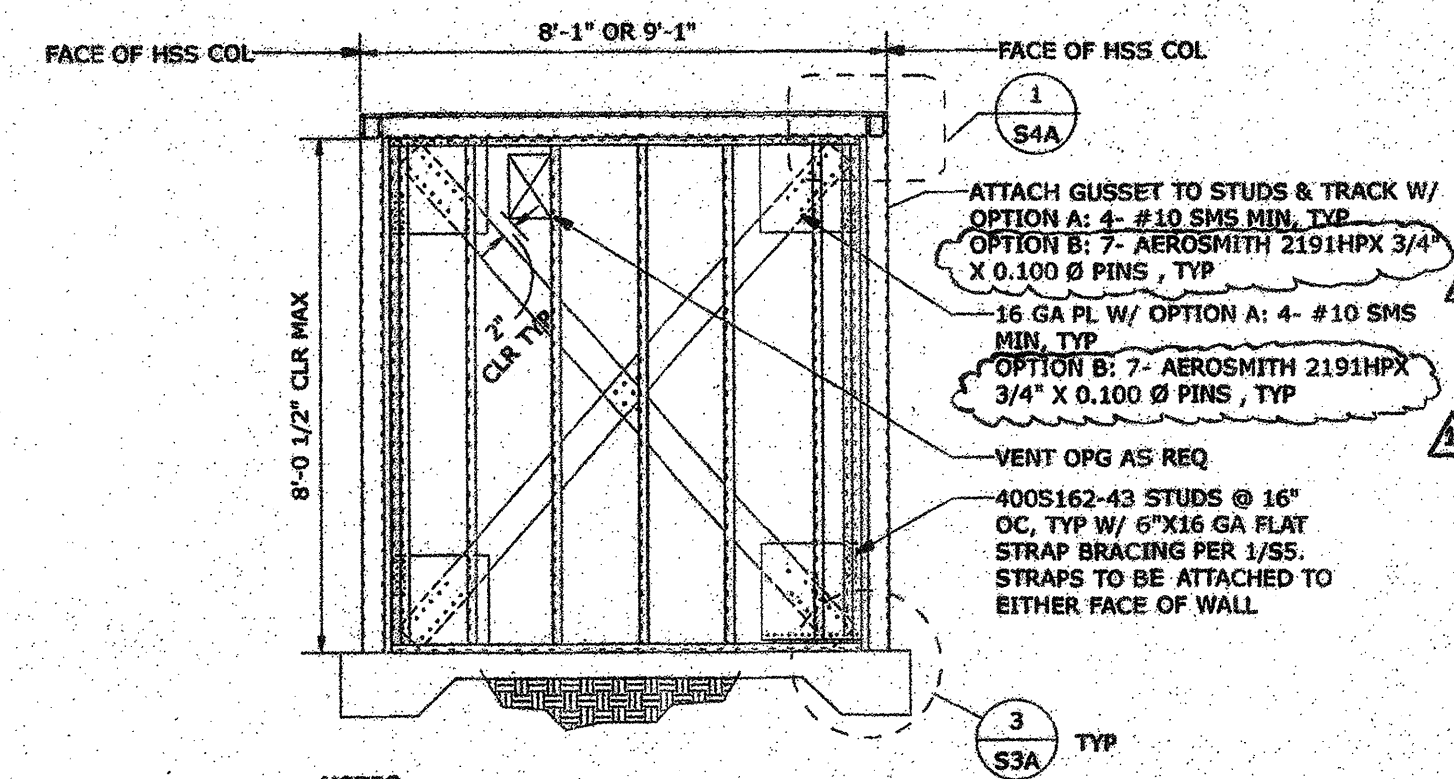


 THESE DRAWINGS ARE UNLAWFUL AND VOID FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

MODULAR ELEVATOR MANUFACTURING, INC.
 P.O. BOX 3998
 CHATSWORTH, CA. 91313
 866-926-9083

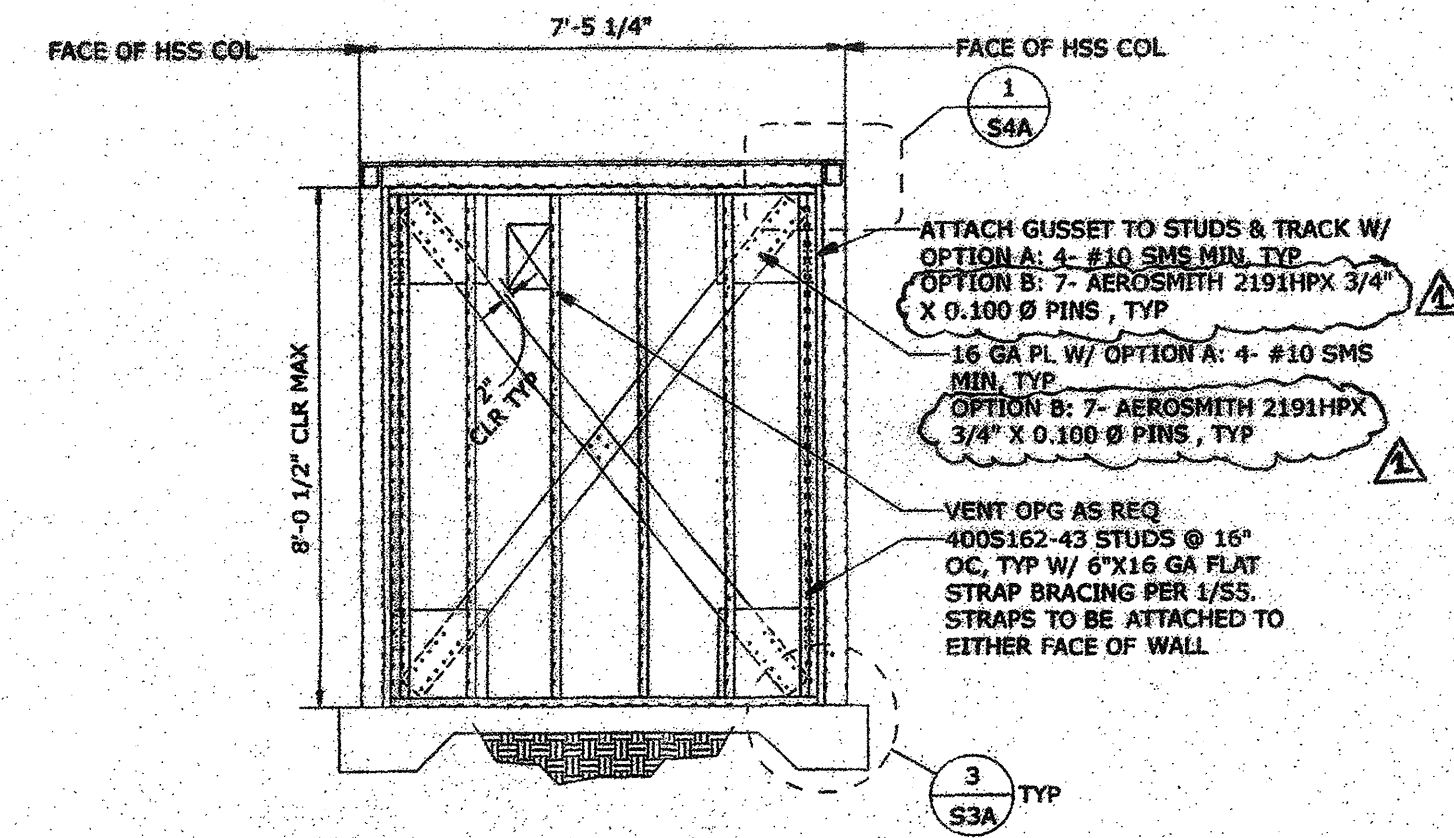
PROJECT NO:
 DATE: 4/17/08
 ENGINEERED BY:
 DRAWN BY: KPM
 SHEET NAME: SECTIONS
 SHEET NO:

S5

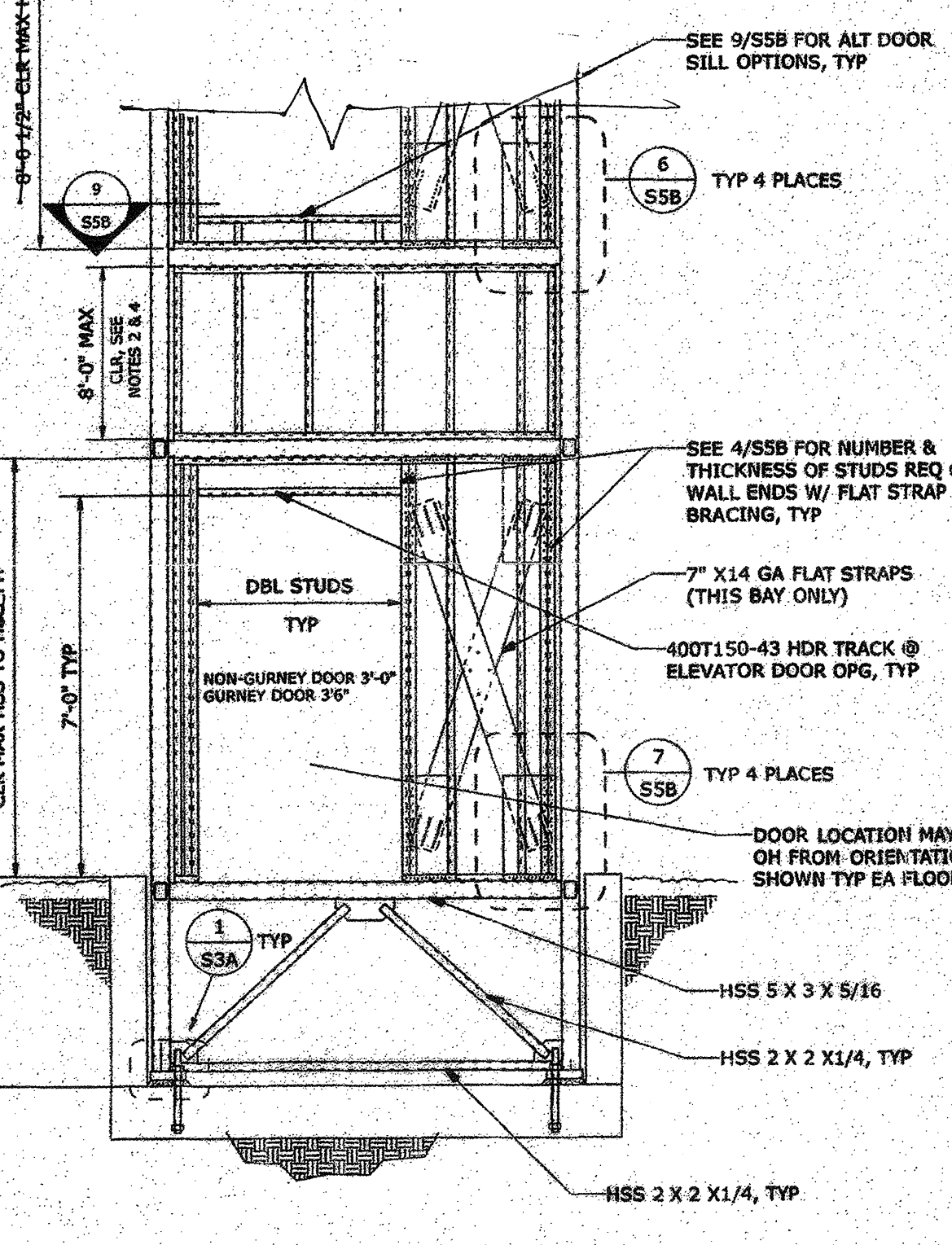
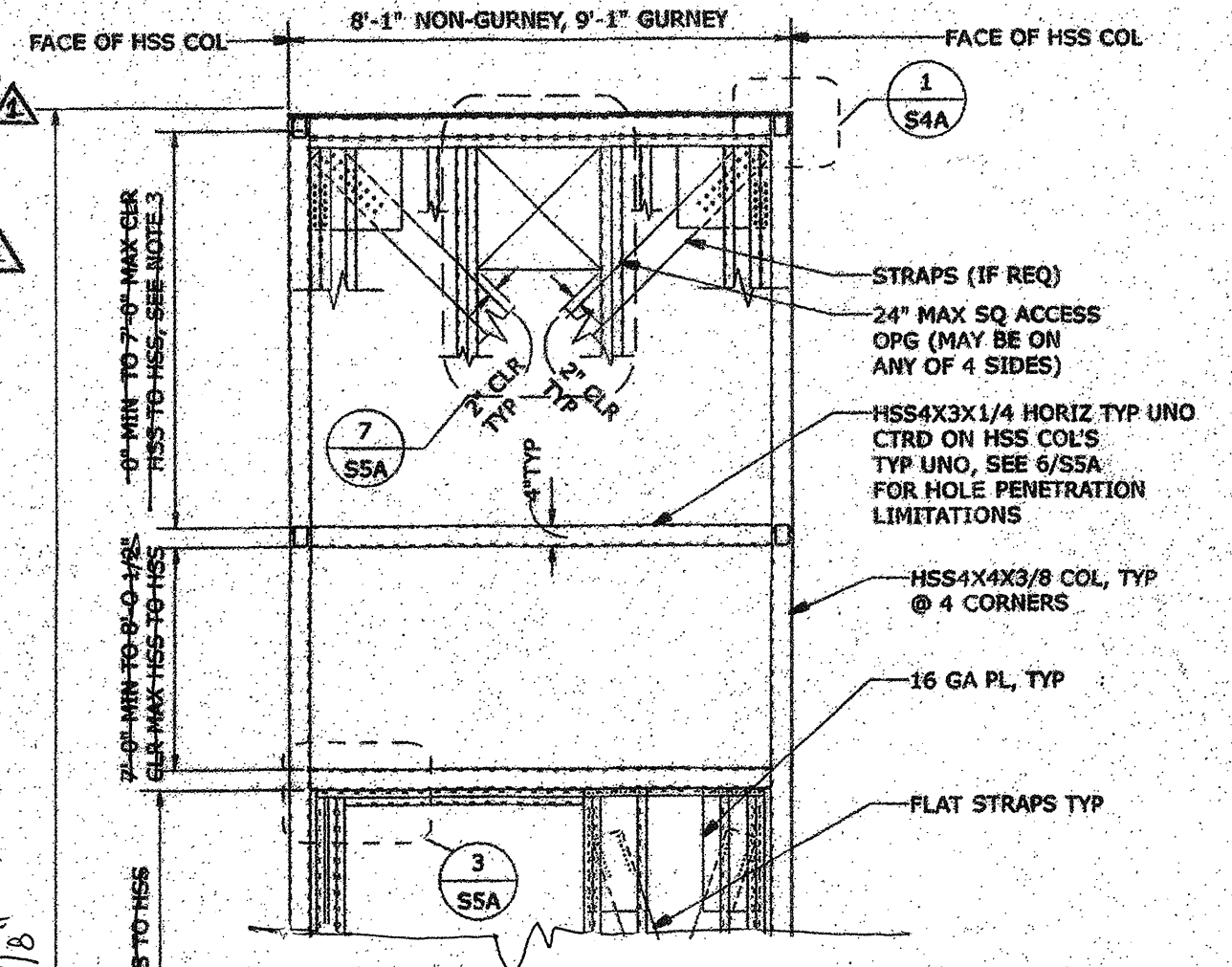


- NOTES:**
- DO NOT USE STRAPS ON ANY WALL OF THE EQUIPMENT ROOM IF IT IS DIRECTLY ATTACHED TO THE HOISTWAY. STRAPS MAY BE OMITTED ON WALL WITH DOORWAY.
 - FIRE-RETARDANT PLYWOOD IS REQUIRED FOR TYPE II CONSTRUCTION.
 - IF 1/2\"/>

SECTION 4
 MODULAR EQUIPMENT ROOM
 (INSIDE LOOKING TO REAR)
 3/8" = 1'-0"



SECTION 5
 MODULAR EQUIPMENT ROOM
 (INSIDE LOOKING TO SIDES)
 3/8" = 1'-0"

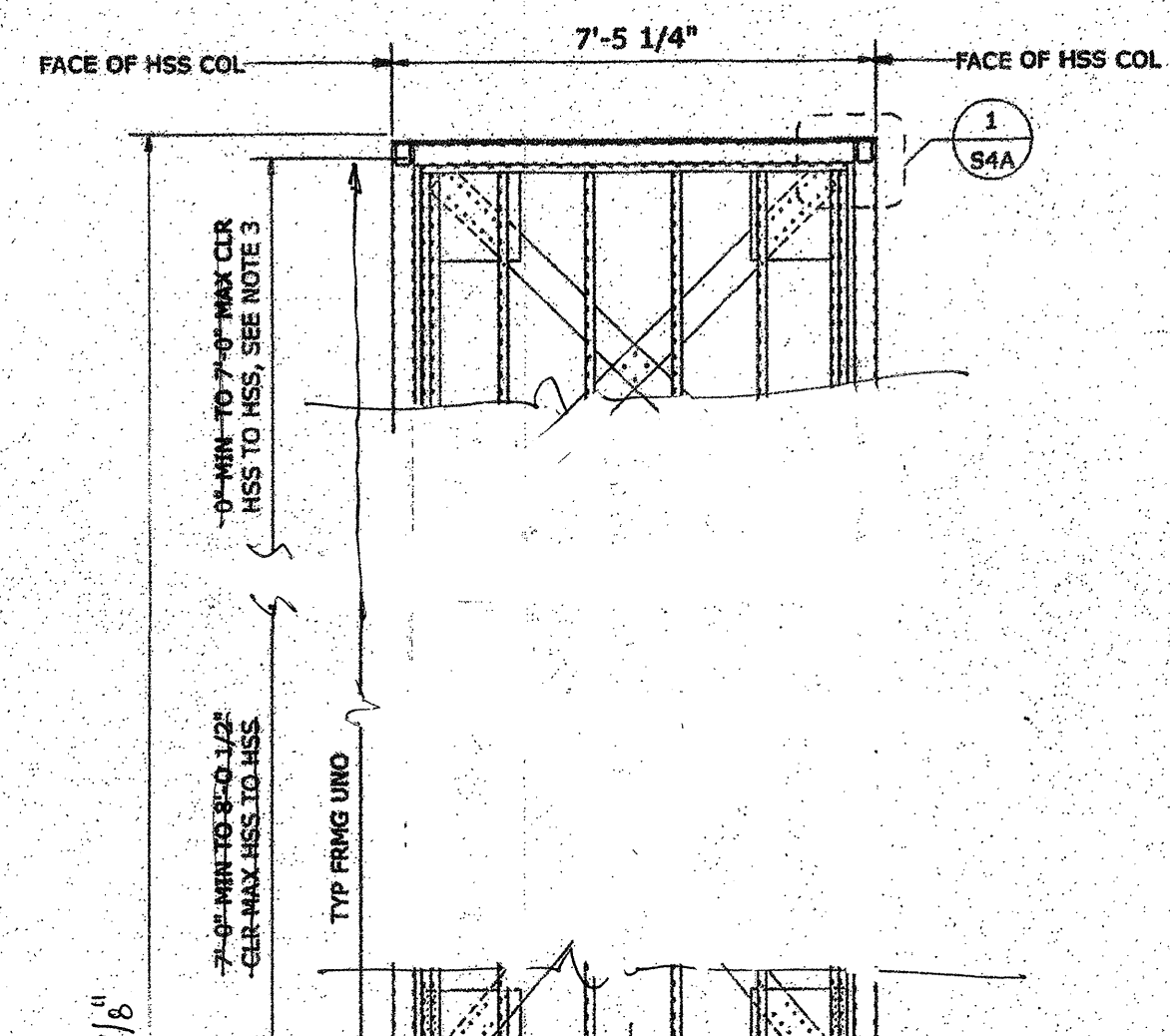


SECTION 3
 HOISTWAY (INSIDE LOOKING TO FRONT)
 3/8" = 1'-0"

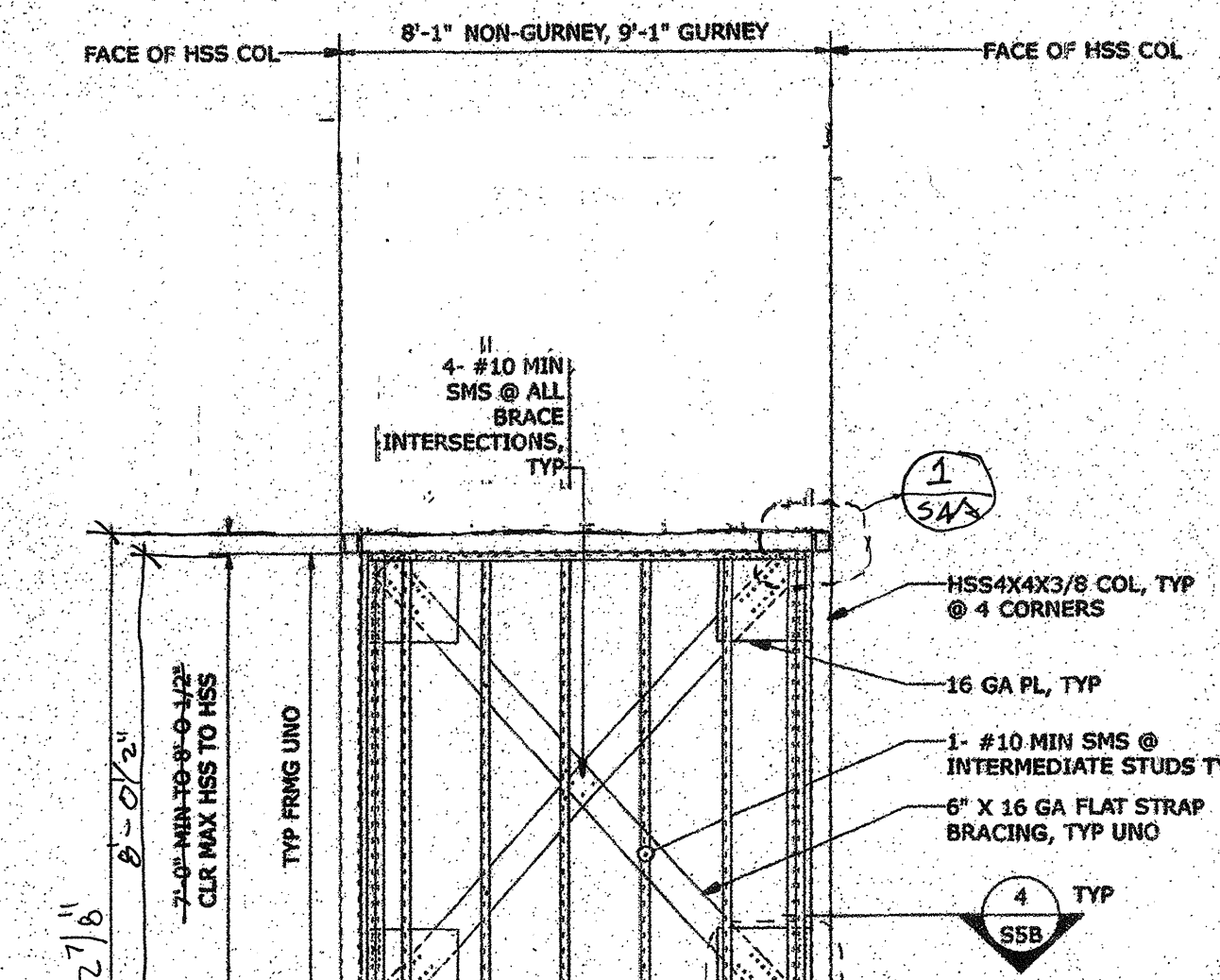
- NOTES:**
- STUDS ARE NOT REQUIRED WITHIN THE PIT.
 - IF THE CLEAR DIMENSION BETWEEN HORIZONTAL HSS MEMBERS IS $16''$, THEN VERTICAL STUDS ARE NOT REQUIRED. IF THE DIMENSION IS LESS THAN 24", THEN FLAT STRAP BRACING IS NOT REQUIRED.
 - IF THE CLEAR DIMENSION BETWEEN HORIZONTAL HSS MEMBERS IS $16''$, THEN VERTICAL STUDS ARE NOT REQUIRED. IF THE DIMENSION IS LESS THAN 72", THEN FLAT STRAP BRACING IS NOT REQUIRED.
 - IF THE CLEAR DIMENSION BETWEEN HORIZONTAL HSS MEMBERS IS REQUIRED TO BE $8'-0 1/2''$, THEN AN ADDITIONAL HORIZONTAL MEMBER IS REQUIRED MIDWAY BETWEEN THE HSS MEMBERS SHOWN IN THE ELEVATION, WITH FLAT STRAP BRACING IN EACH BAY.
 - VENTING OF HOISTWAY AS PER 2007 CBC SECT. 3004 SHAFTS HOUSING ELEVATORS EXTENDING THROUGH MORE THAN TWO FLOOR LEVELS SHALL BE VENTED TO THE OUTSIDE. THE AREA OF THE VENT SHALL NOT BE LESS THAN 3 1/2% OF THE AREA OF THE ELEVATOR SHAFT, PROVIDED A MINIMUM OF 3 SQ. FT. PER ELEVATOR IS PROVIDED. (BY OTHERS)
 - ALL FLAT STRAP BRACING TO BE FLAT AT FACE OF STUDS PRIOR TO ATTACHING TO PLATE.

MAXIMUM DISPLACEMENT		
STORY	WIND	SEISMIC α_x
ROOF	1.03"	5.69"

NOTE:
 ELEVATOR TOWER SHALL BE SEPARATED FROM ADJACENT STRUCTURE SUCH THAT THE DISTANCE IS EQUAL TO THE ADDITION OF α_x FOR BOTH STRUCTURES PER SECTION 12.8.6.

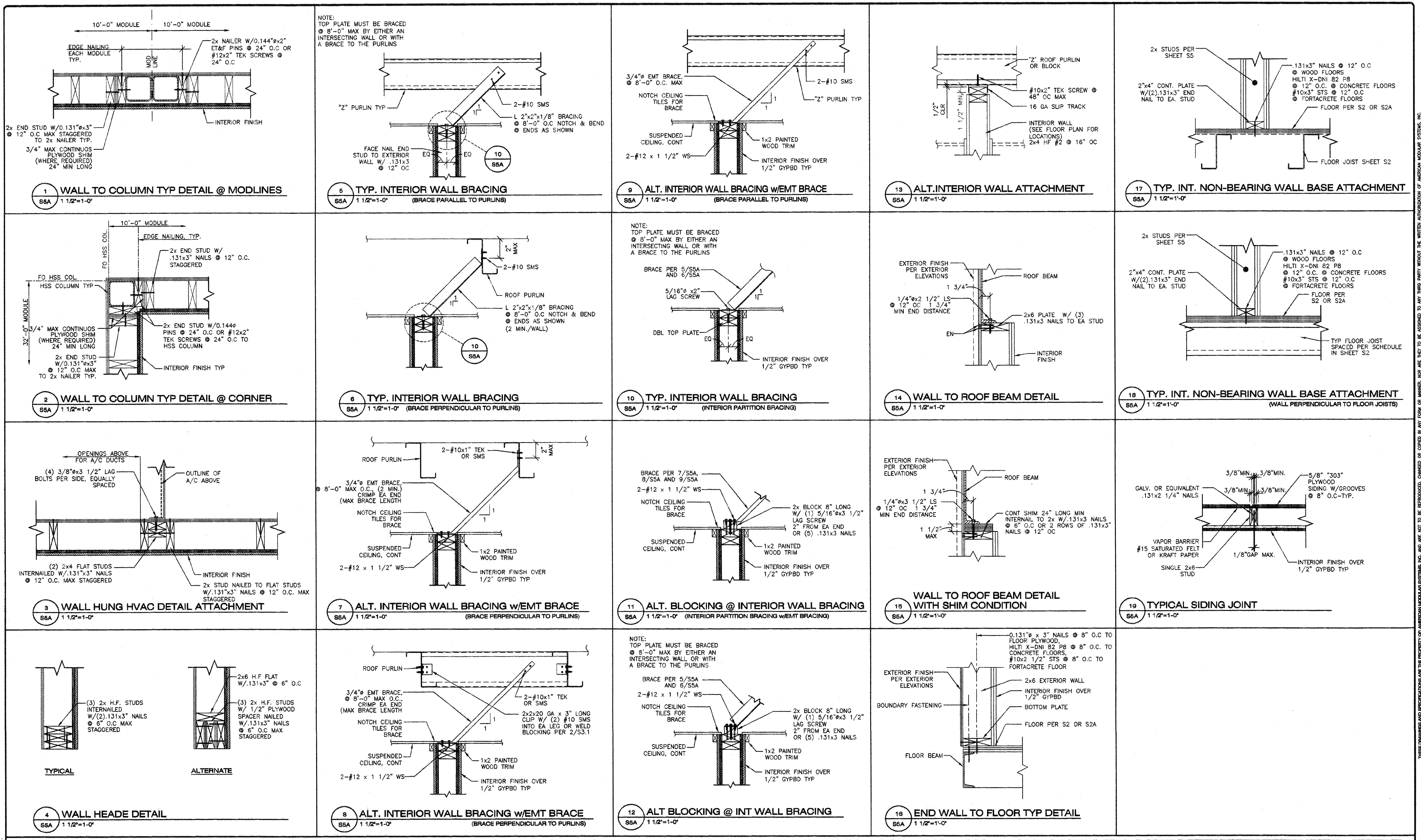


SECTION 2
 HOISTWAY (INSIDE LOOKING TO SIDES)
 3/8" = 1'-0"



SECTION 1
 HOISTWAY (INSIDE LOOKING TO REAR)
 3/8" = 1'-0"

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPLICATION NO. 02-108978
 DATE: 5/14/08



REVISIONS

NO	DATE	DESCRIPTION

DATE: 11/01/09
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
 WOOD STUD FRAMING DETAILS

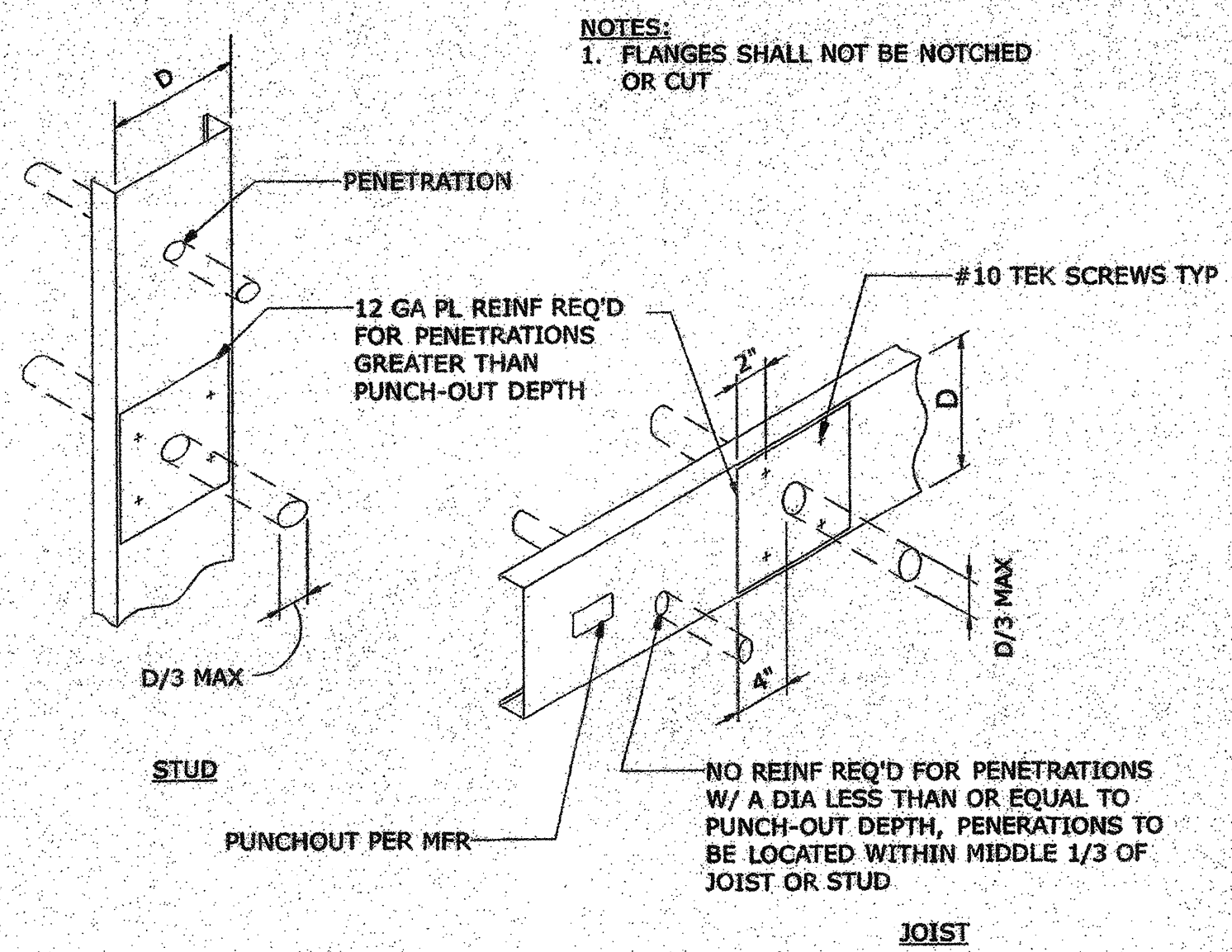


APPROVALS:
 THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
 PROFESSIONAL ENGINEER
 Kenneth A. Littel
 No. 1419
 Exp. 3/31/11
 Structural Engineer
 STATE OF CALIFORNIA

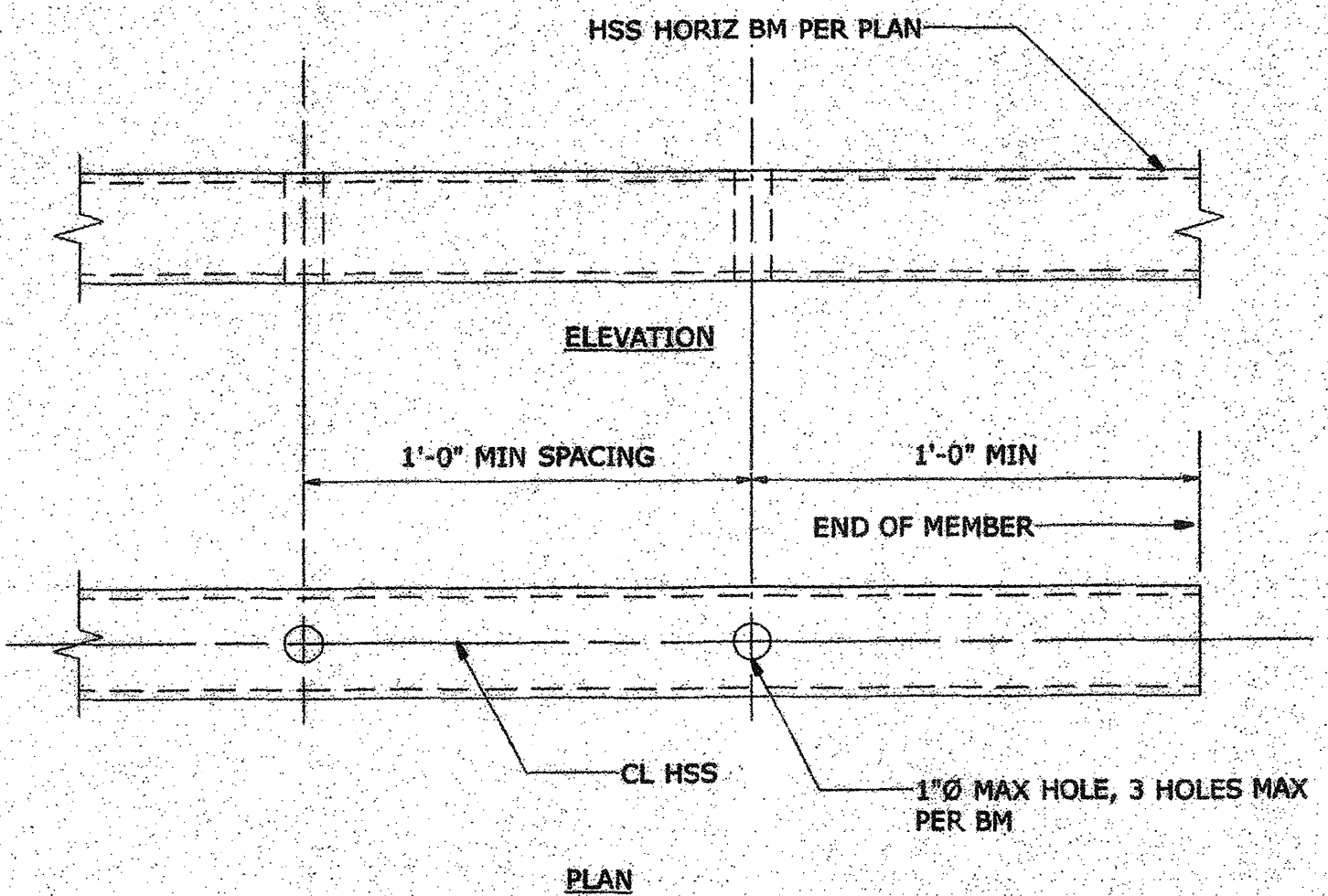
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPG 1 1 3 8 2 8
 AC: FLS SS ED
 DATE: JUL 6 6 2011
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 DIV. OF THE STATE ARCHITECT
 PC C2-110964
 AC: FLS SS ED
 DATE: 12/9/09

PROJECT No.
S5A

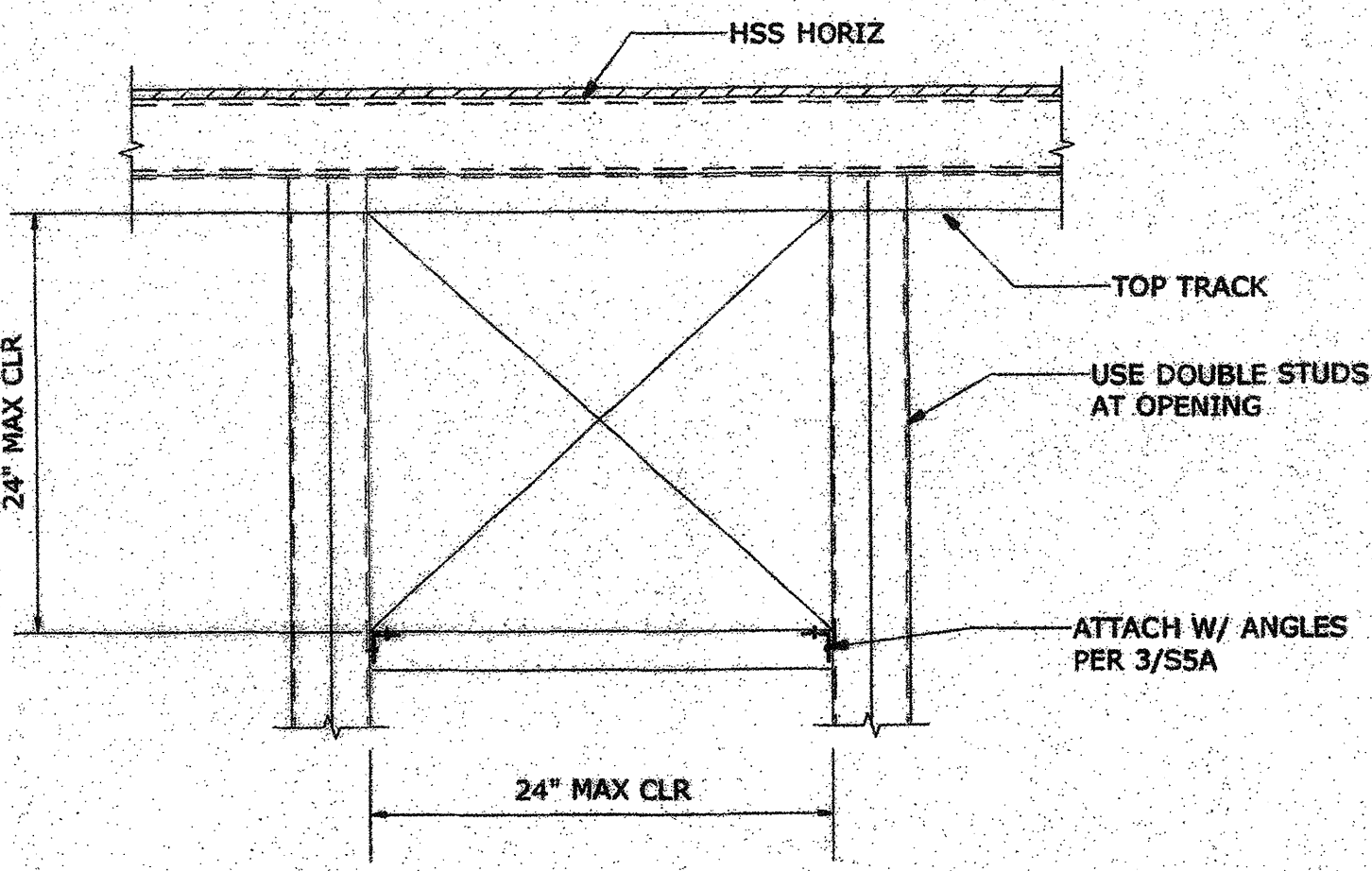
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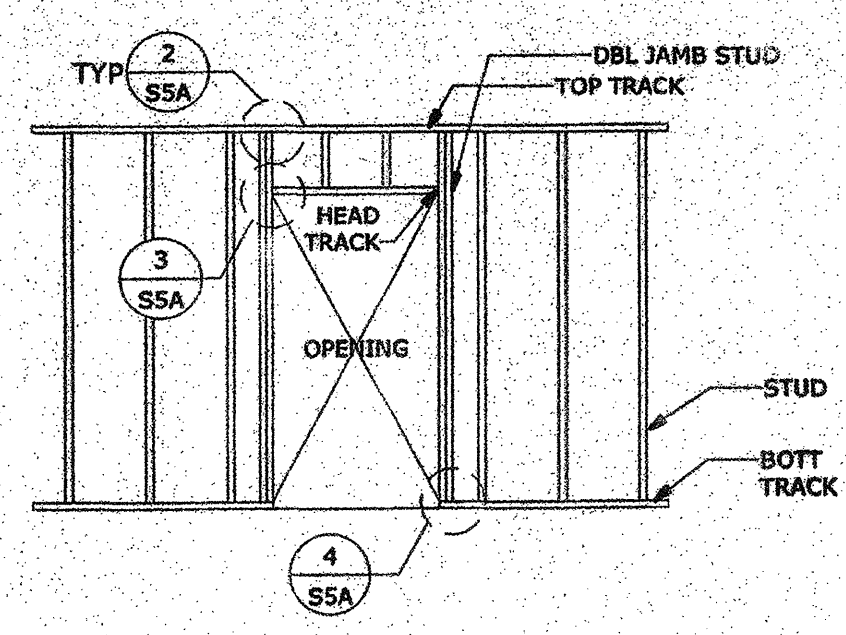
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SSA
DETAIL
NO SCALE



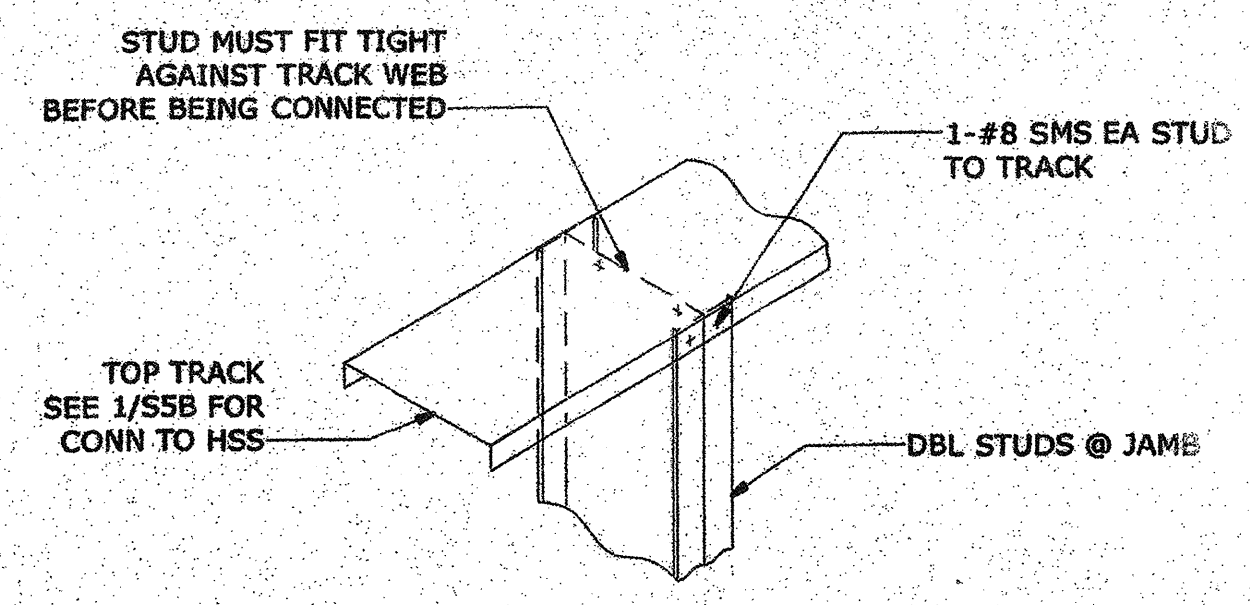
6
SSA
DETAIL
NO SCALE



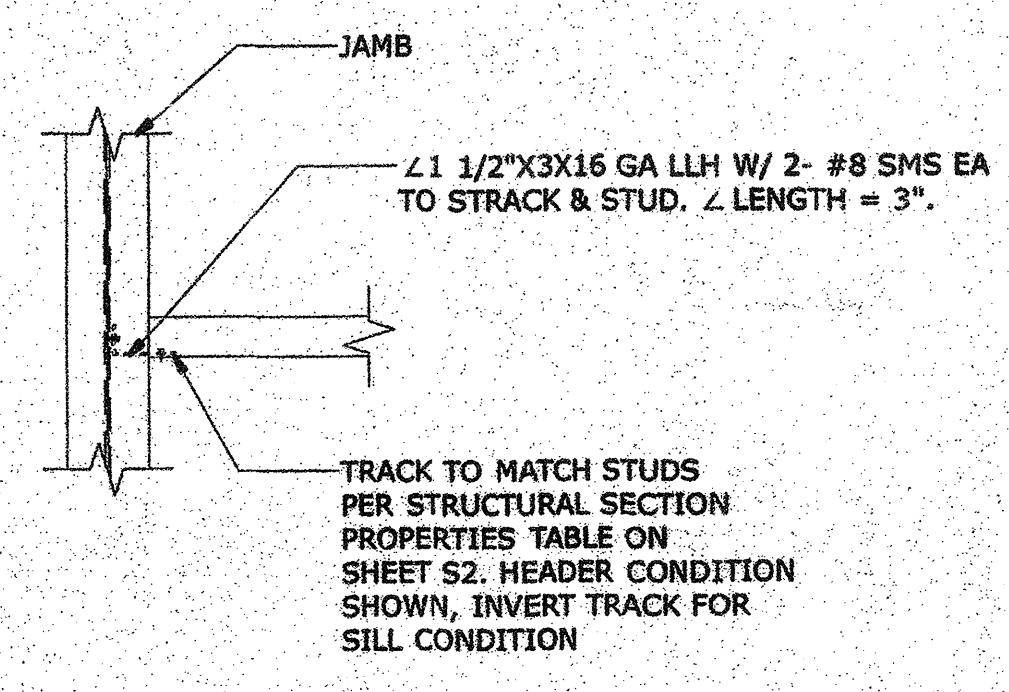
7
SSA
DETAIL
NO SCALE



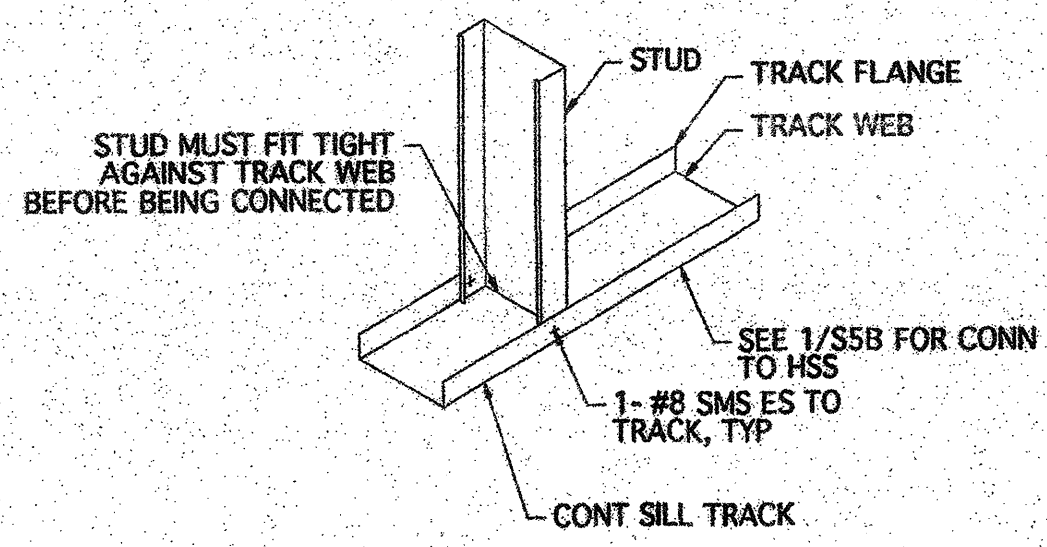
1
SSA
DETAIL
NO SCALE



2
SSA
DETAIL
NO SCALE



3
SSA
DETAIL
NO SCALE



4
SSA
DETAIL
NO SCALE

NO.	DATE	REVISION

Professional Engineer
Kenneth A. Lohr
No. 4478
Exp. 3-31-24
Structural Engineer

THESE DRAWINGS ARE PRELIMINARY AND WILL BE SUBJECT TO CHANGE WITHOUT NOTICE. STAMPED & SIGNED BY THE ENGINEER OF RECORD.

MODULAR ELEVATOR
MANUFACTURING, INC.
P.O. BOX 3998
CHATSWORTH, CA. 91313
866-926-9083

PROJECT NO:
DATE: 4/17/08
ENGINEERED BY:
DRAWN BY: KPM

SHEET NAME:
TYPICAL WALL DETAILS

SHEET NO:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

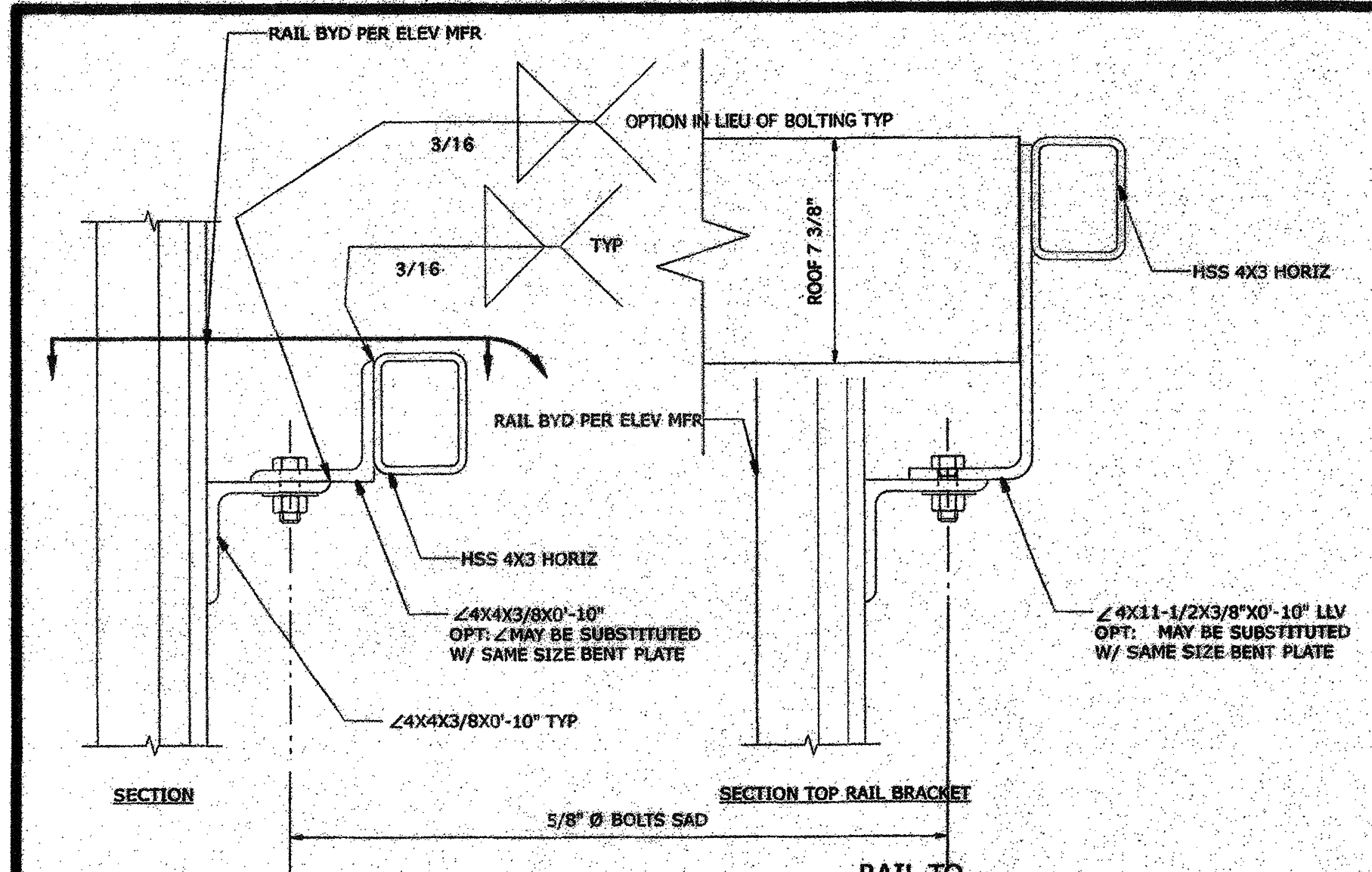
APP# 113828
AC FLS SS 20
DATE JUL 16 2011

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

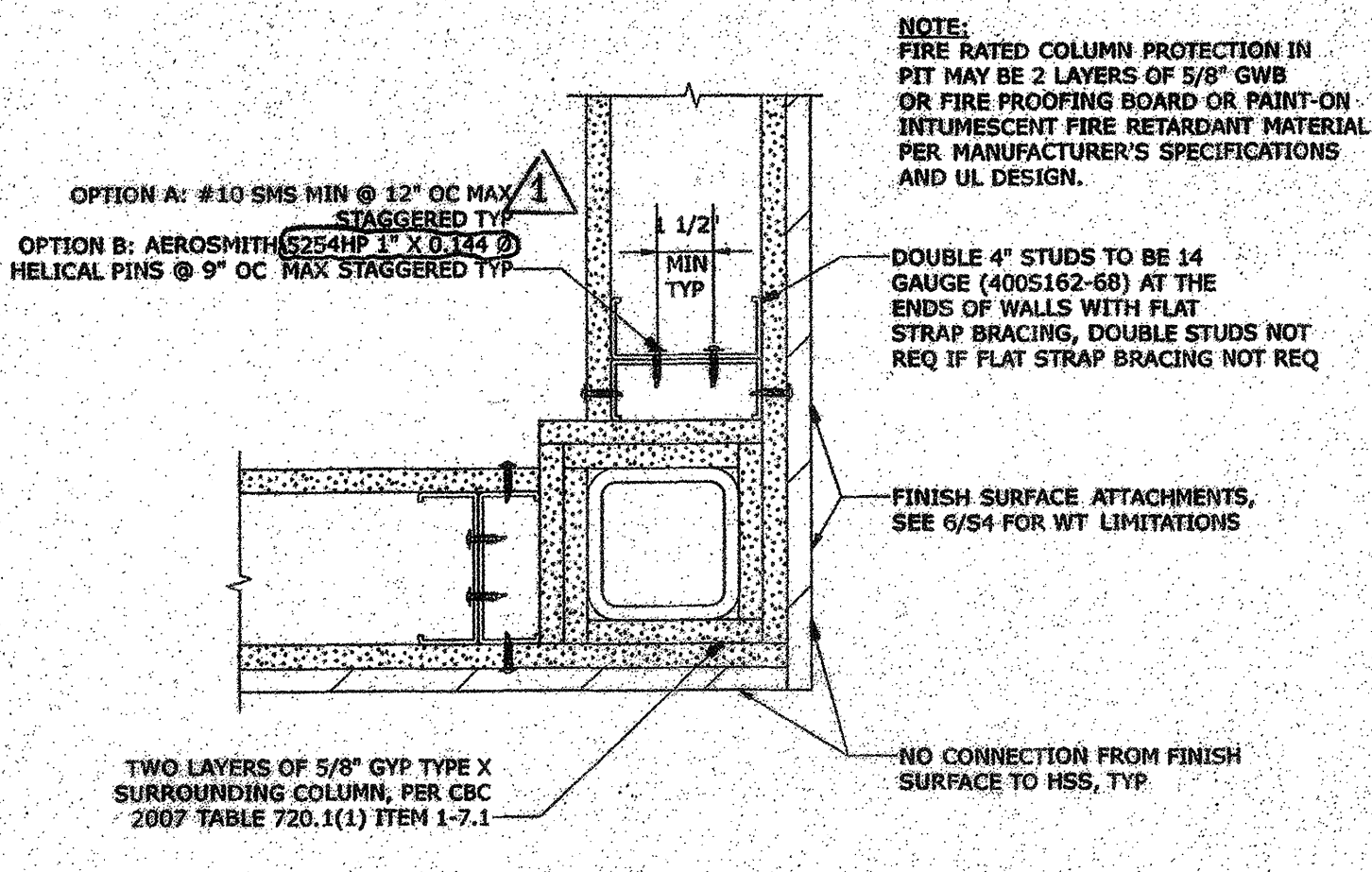
APPLICATION NO.
02-106878

DATE 7/15/11

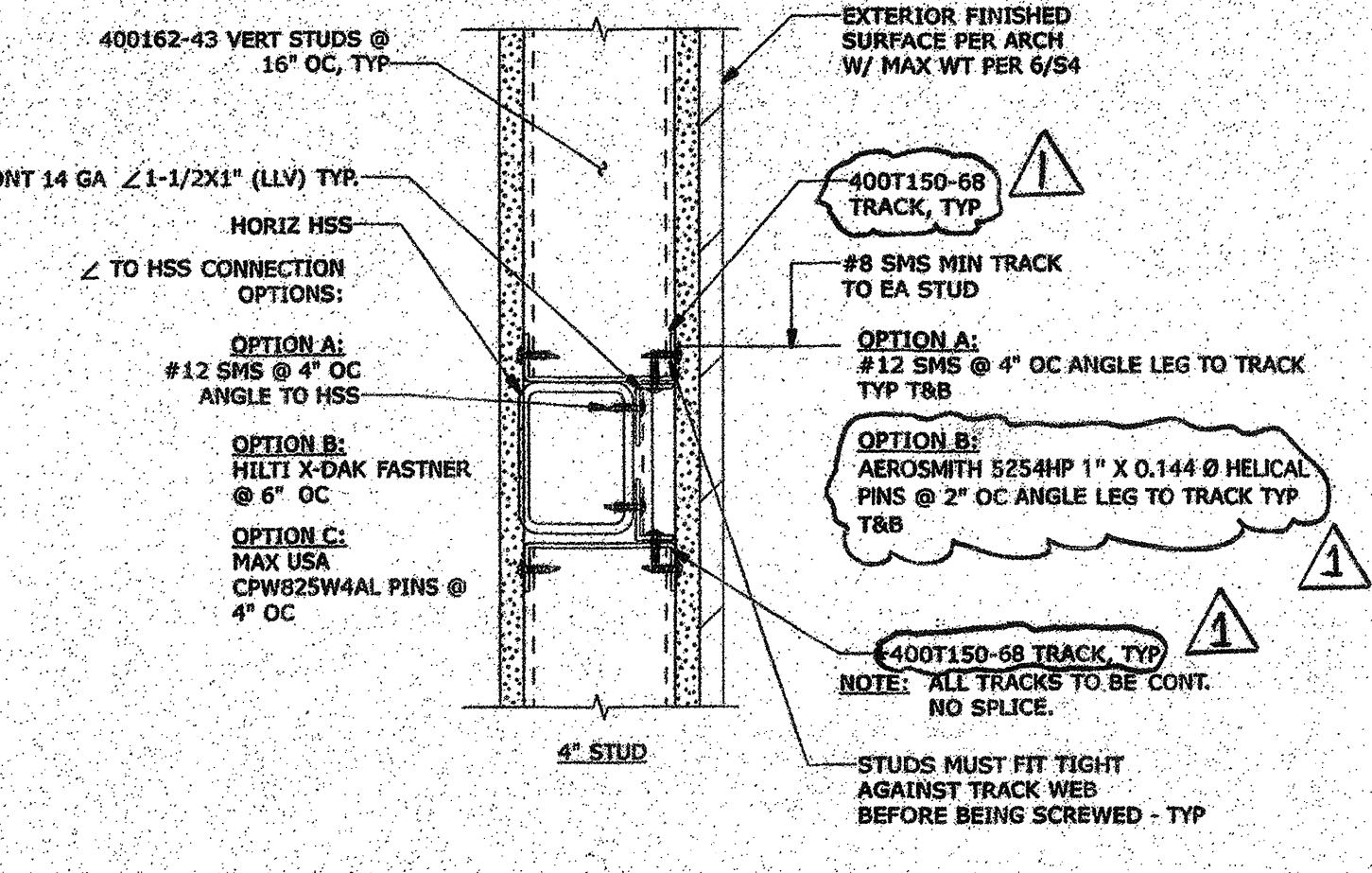
S5A



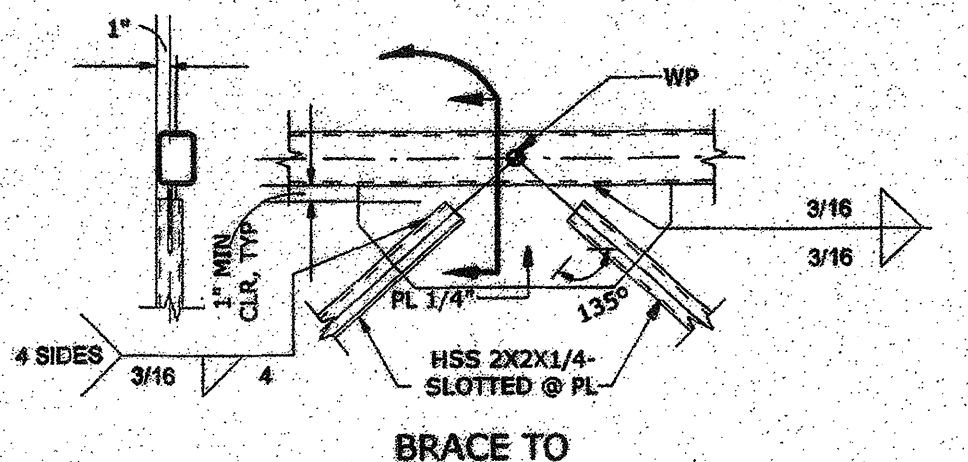
10 DETAIL
S5B 3" = 1'-0"



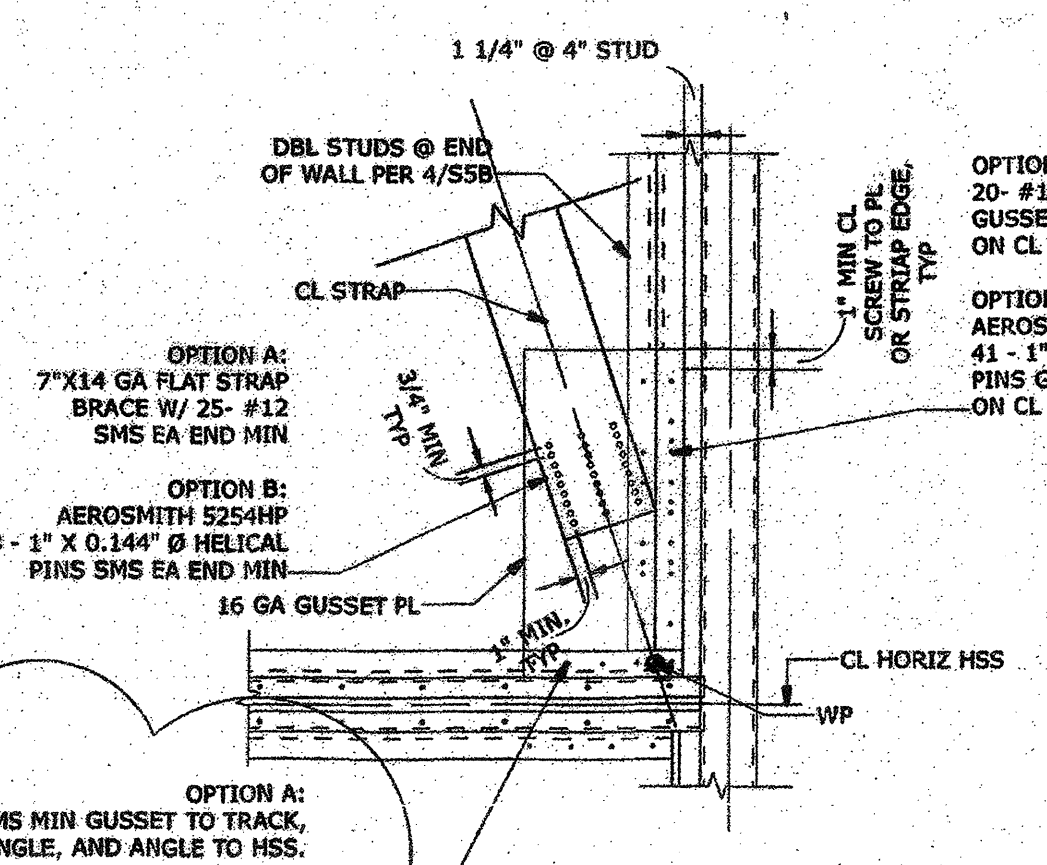
4 COLUMN DETAIL
S5B NO SCALE



1 DETAIL
S5B NO SCALE

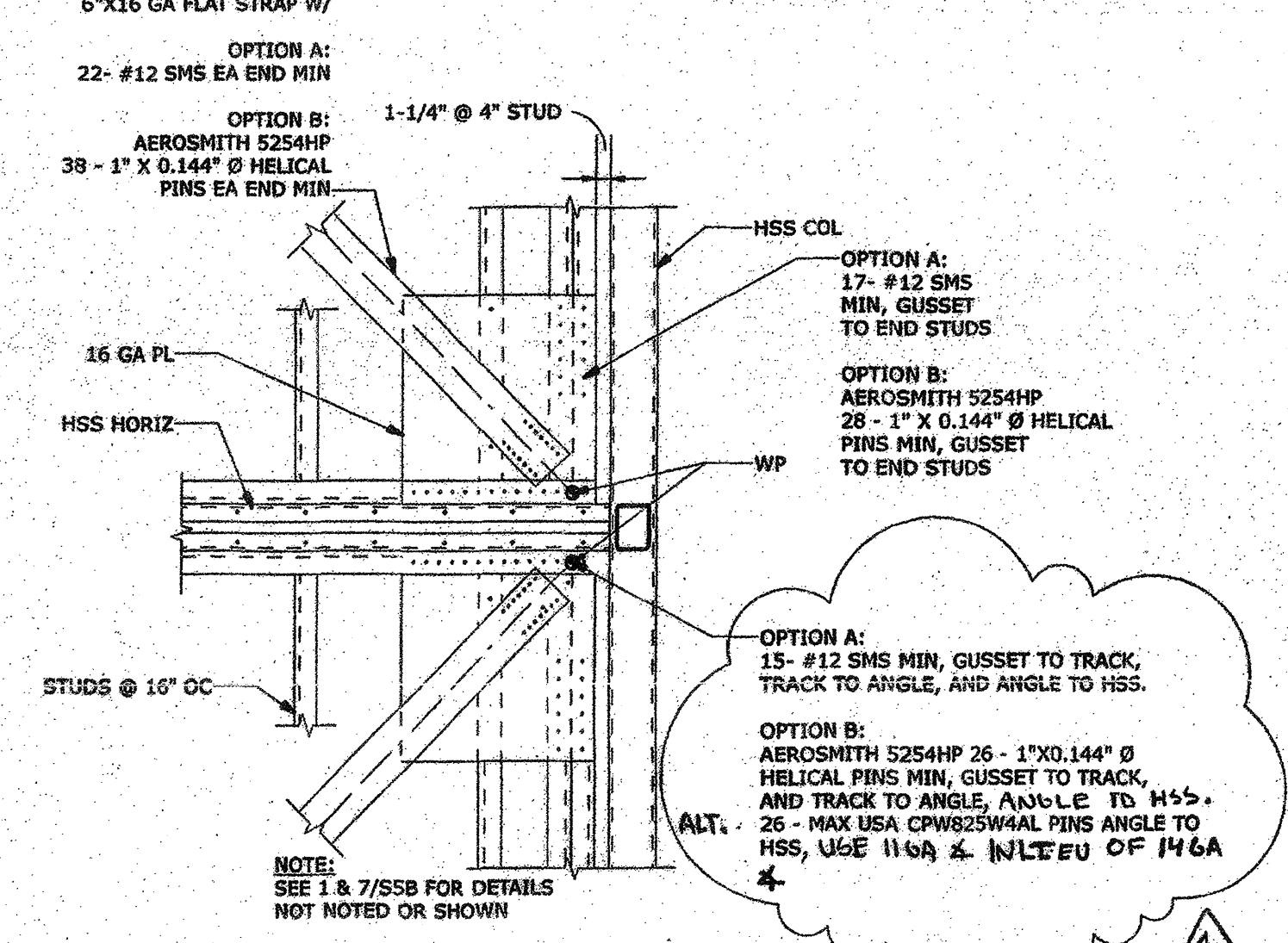


8 DETAIL
S5B 1" = 1'-0"

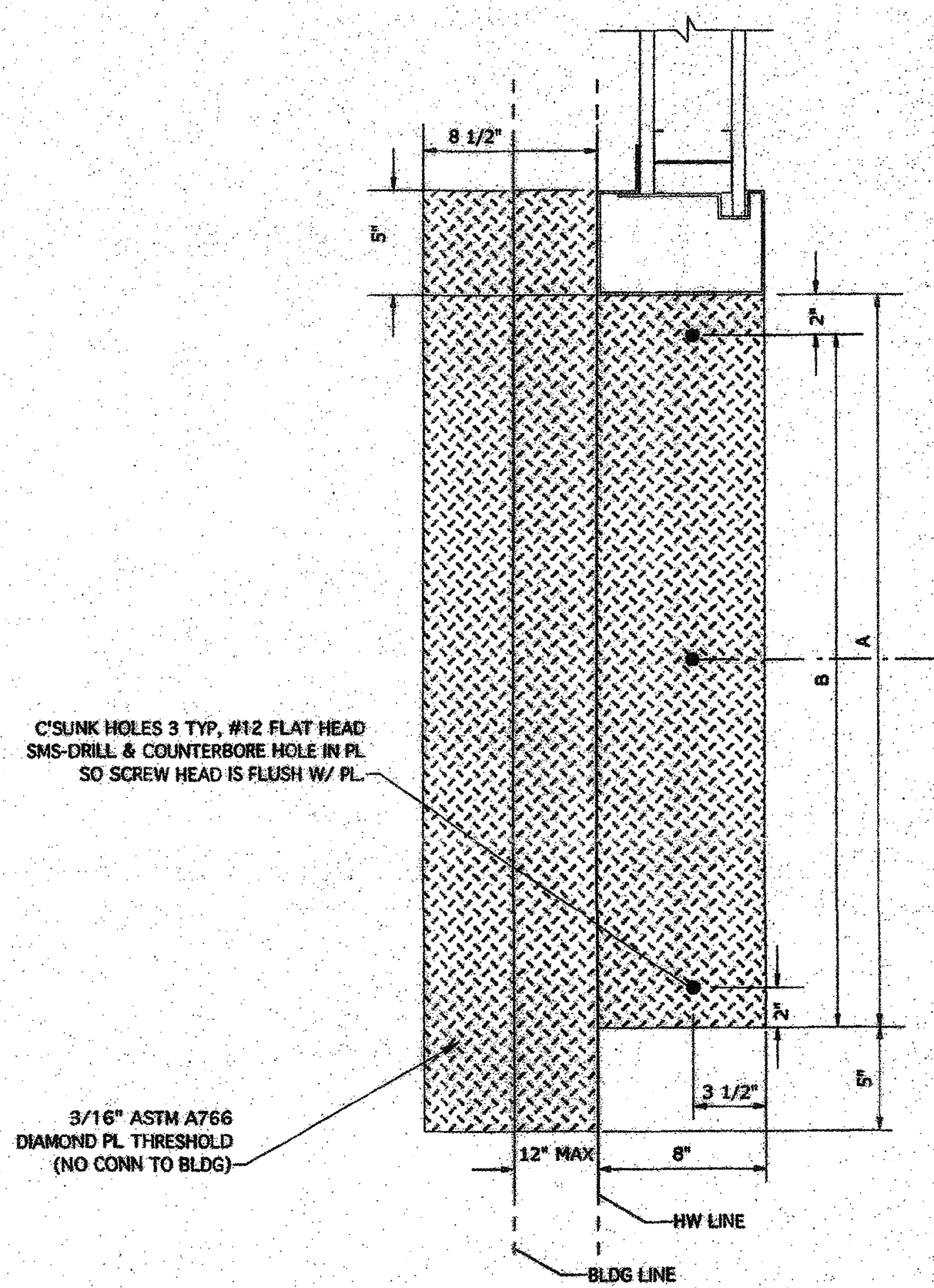


7 DETAIL
S5B NO SCALE

5 DETAIL
S5B NO SCALE



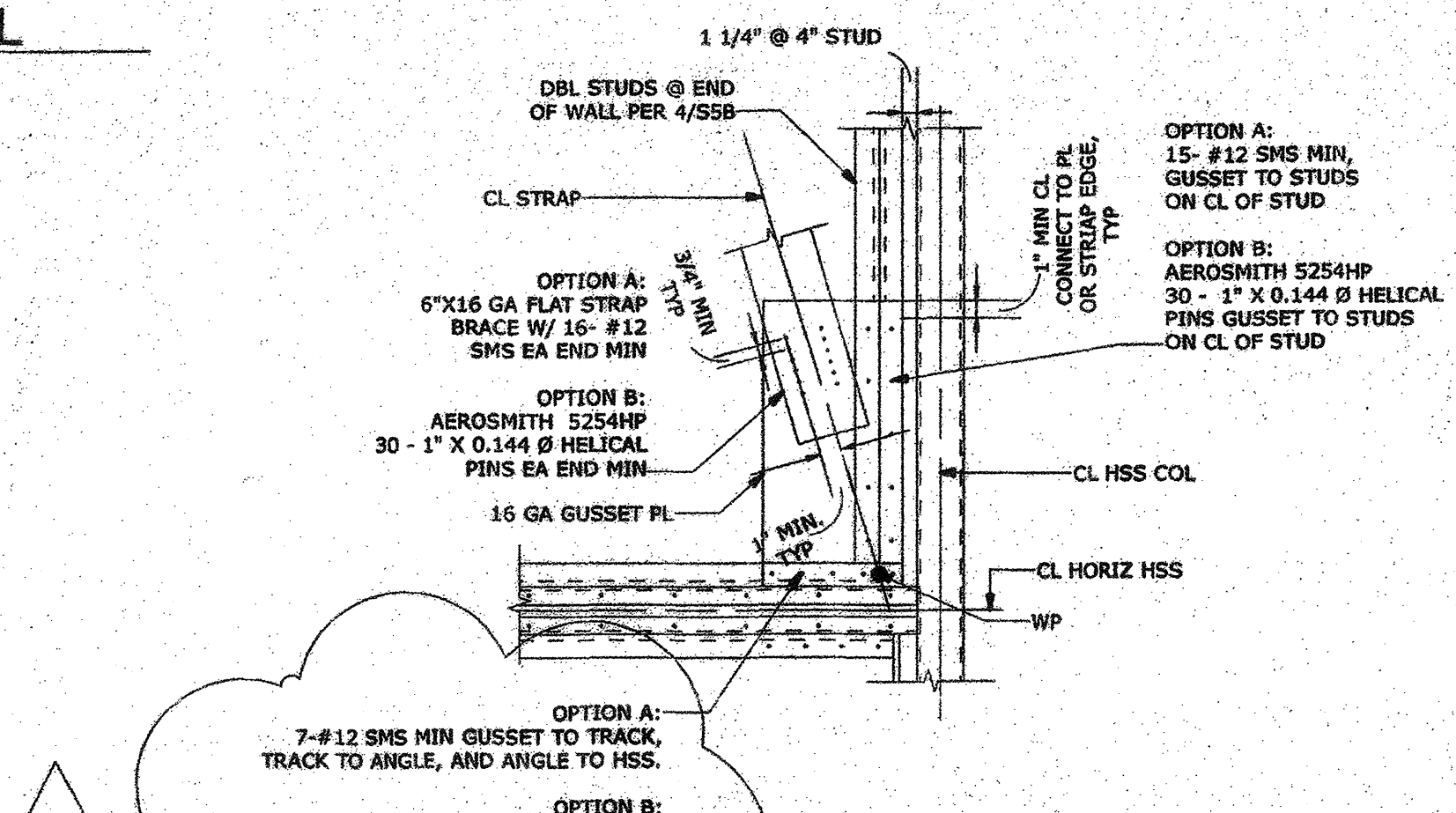
2 DETAIL
S5B NO SCALE



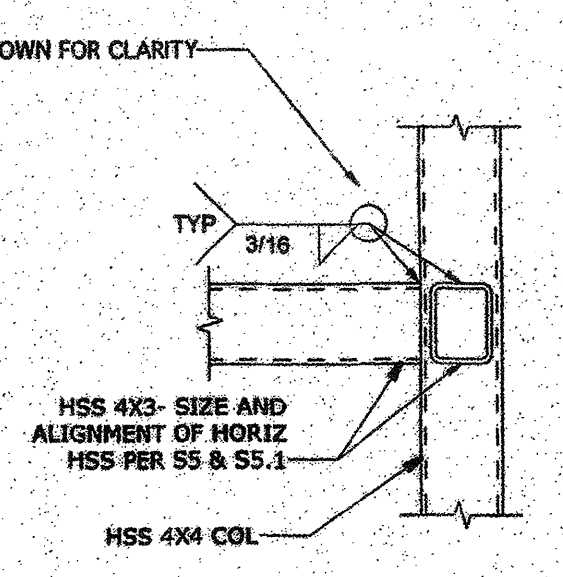
9 DETAIL
S5B NO SCALE

OPTIONAL ELEVATOR THRESHOLD
3/16" ALUMINUM TREAD BRITE, GRADE 3003

	NON-GURNEY	GURNEY
A	33 1/2"	39 1/2"
B	35 1/2"	41 1/2"



6 DETAIL
S5B NO SCALE



3 DETAIL
S5B NO SCALE

NOTE:
THE AEROSMITH PINS USED FOR THE ALTERNATE B CONNECTIONS AT DETAILS 1/S5B, 2/S5B, 6/S5B AND 7/S5B MUST BE AEROSMITH 5254HP 1" X 0.144" Ø HELICAL PINS, NO EXCEPTIONS.

NO.	DATE	REVISION
1	5-5-08	ENGINEERING/MANUFACTURING

Richard A. Lamm
REGISTERED PROFESSIONAL ENGINEER
No. 1418
Exp. 3/31/11
Structural Engineer

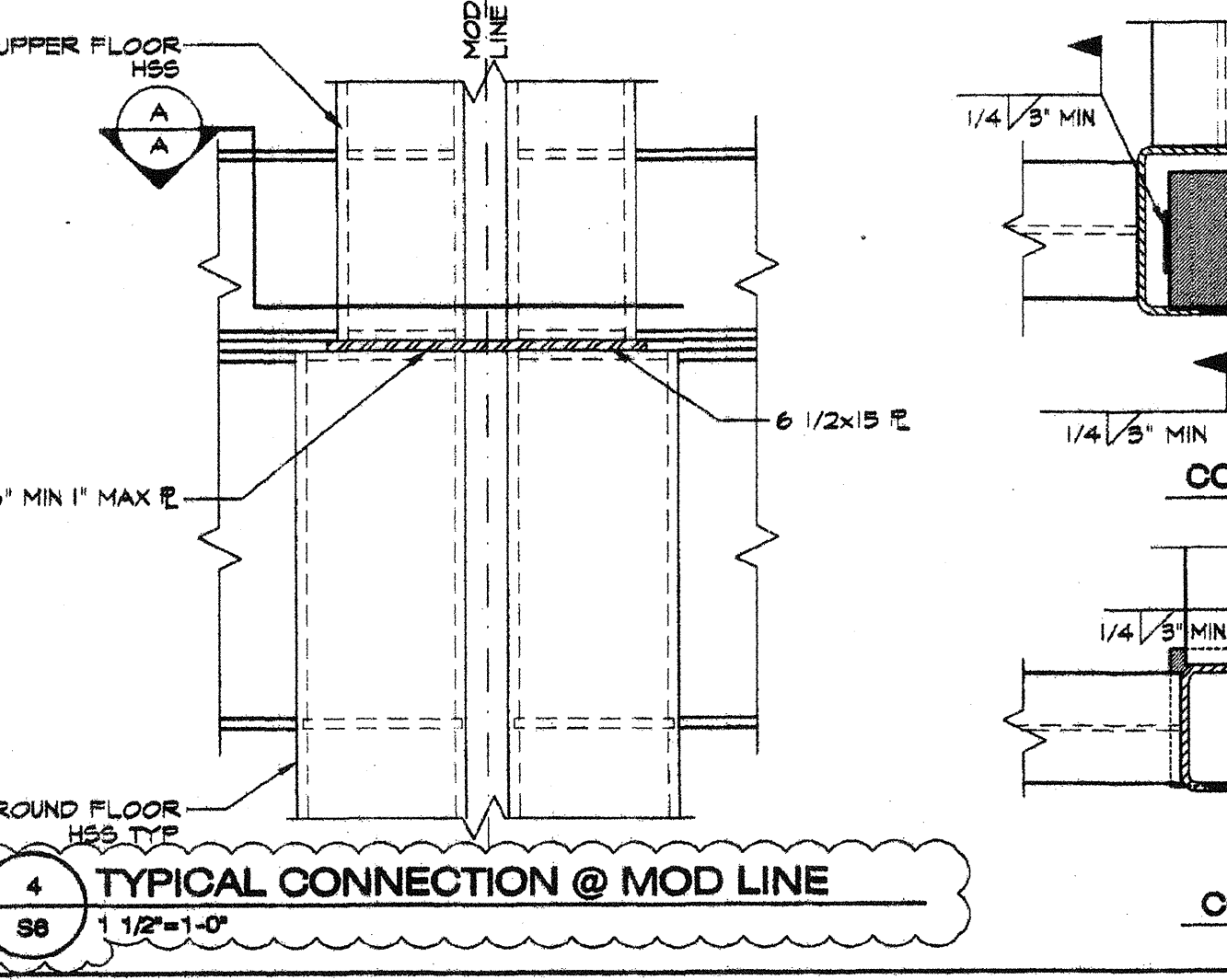
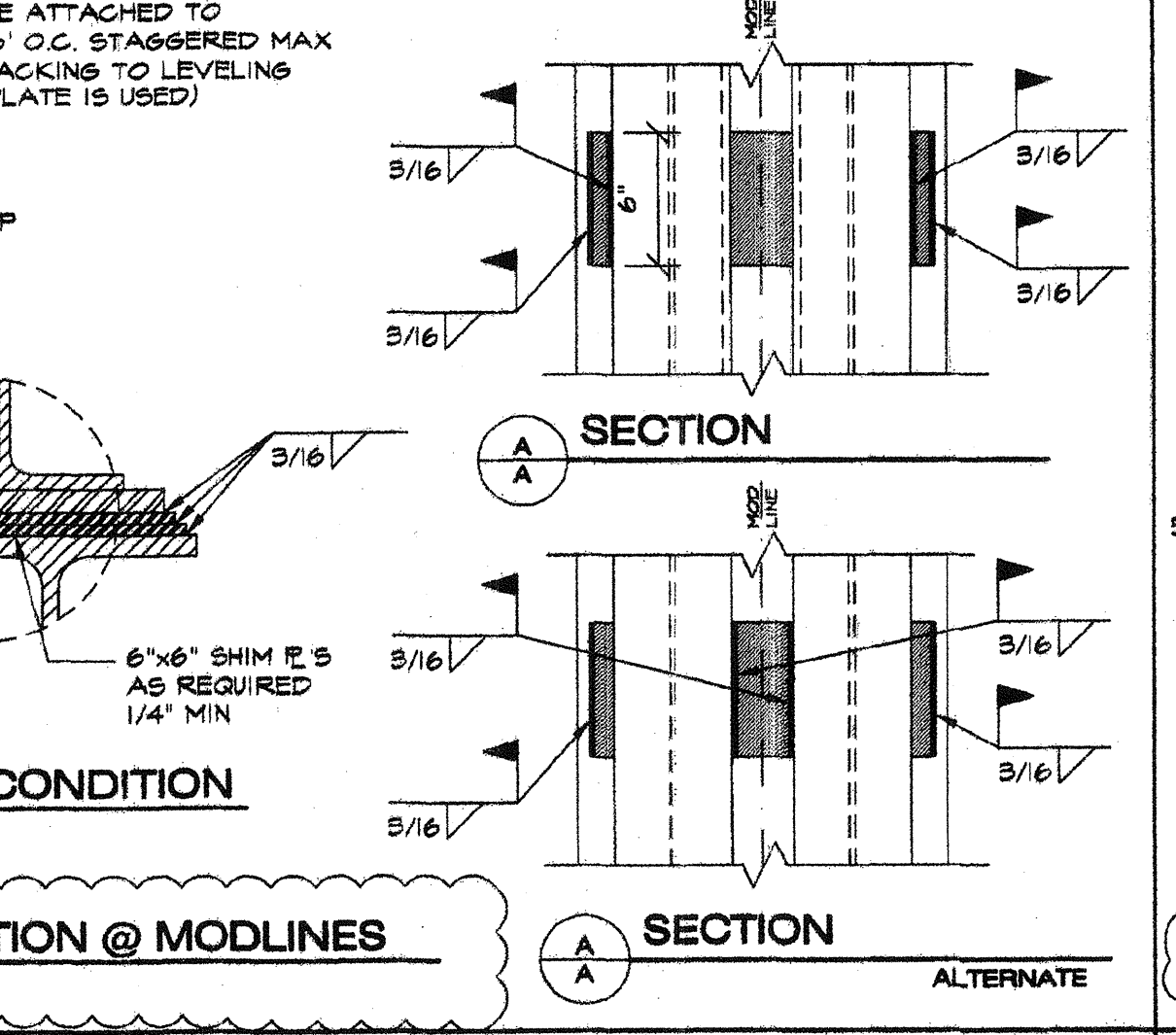
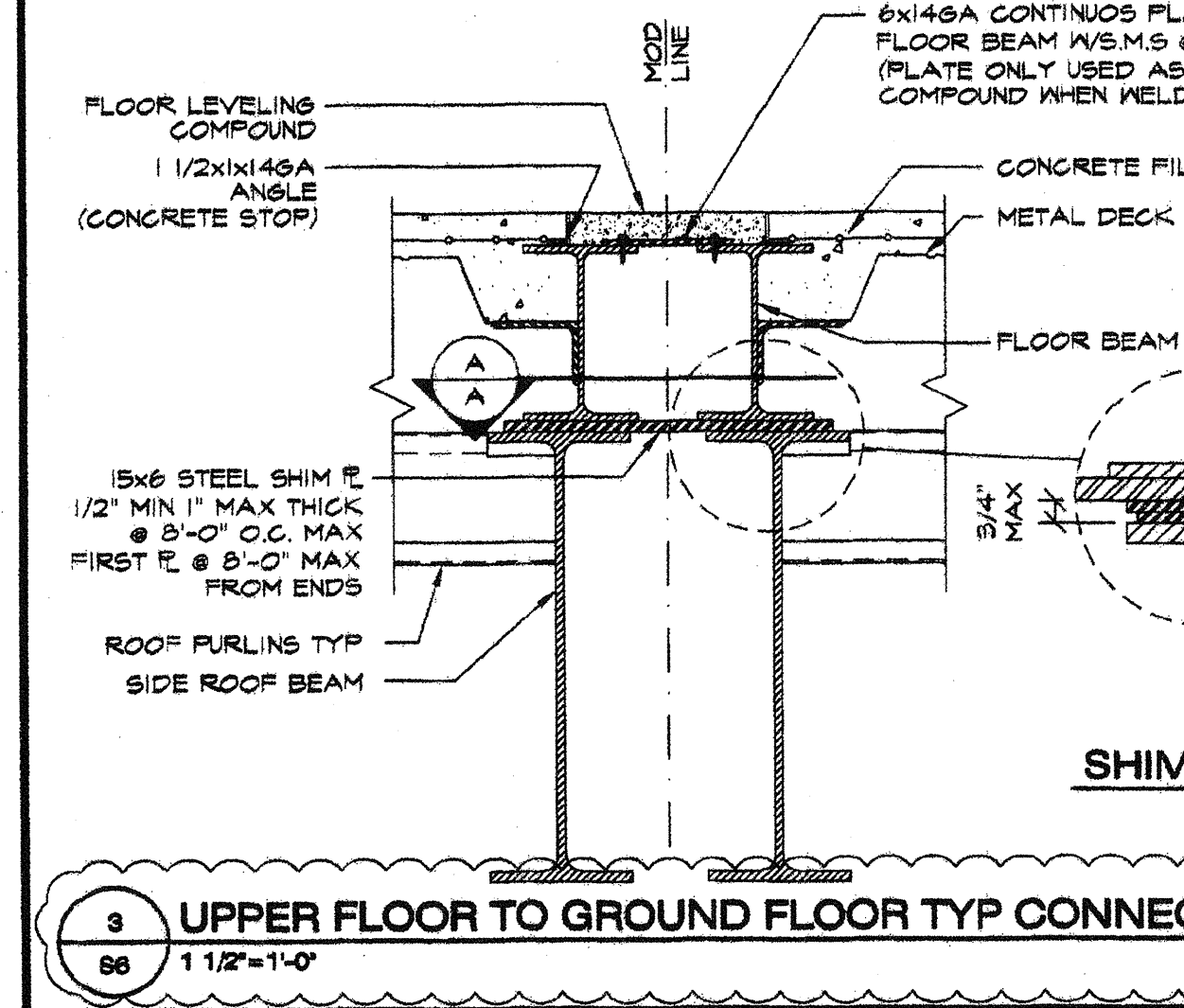
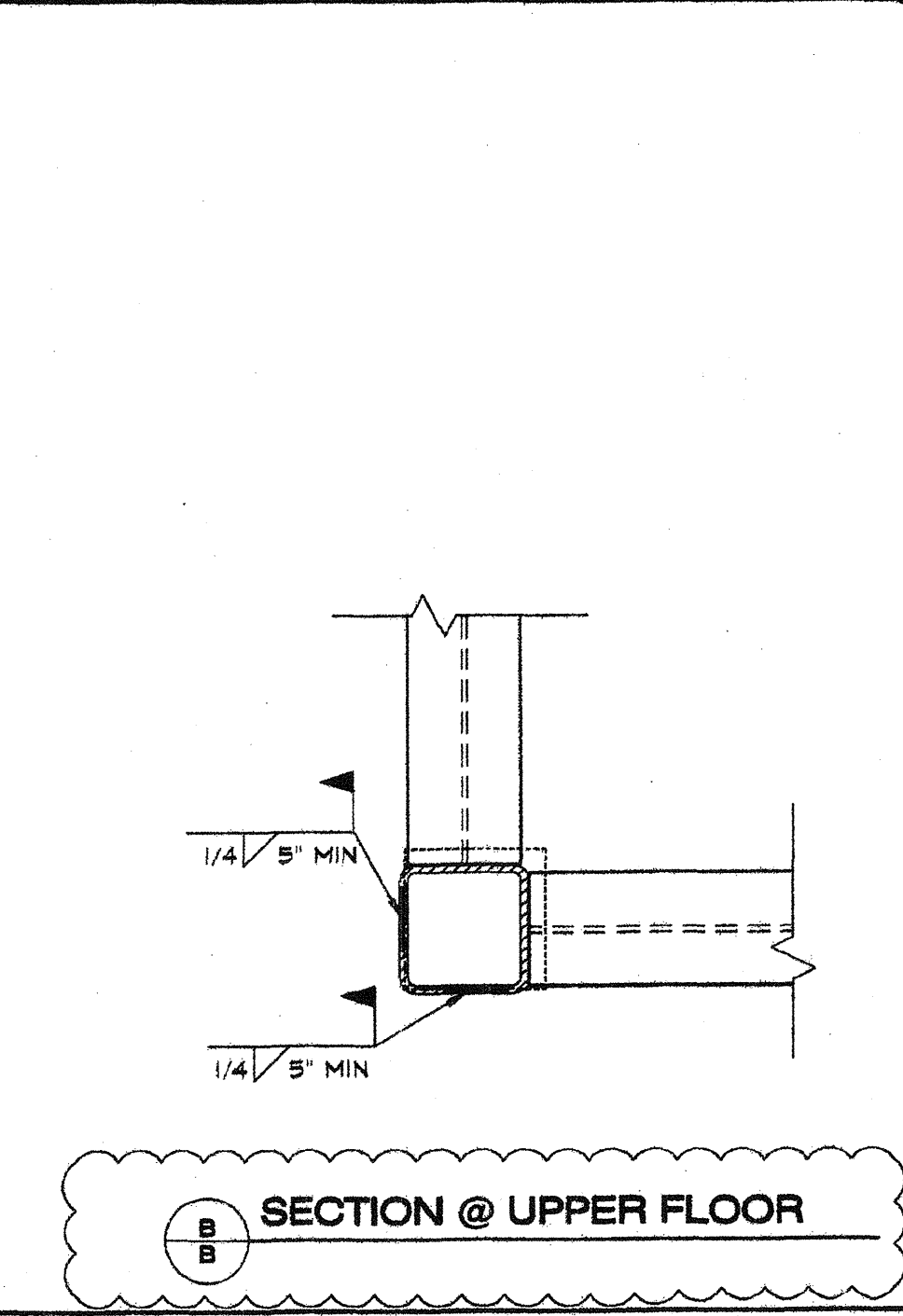
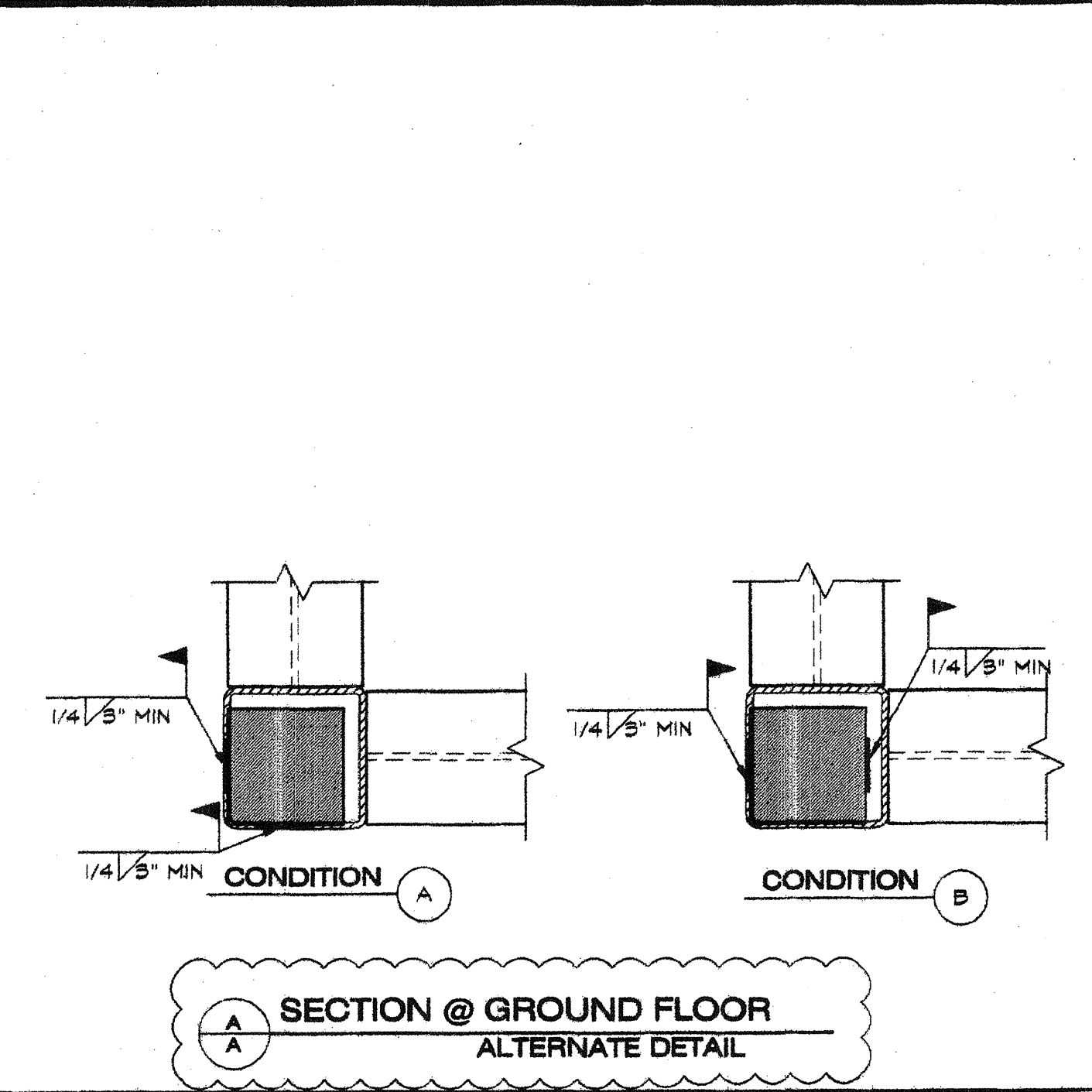
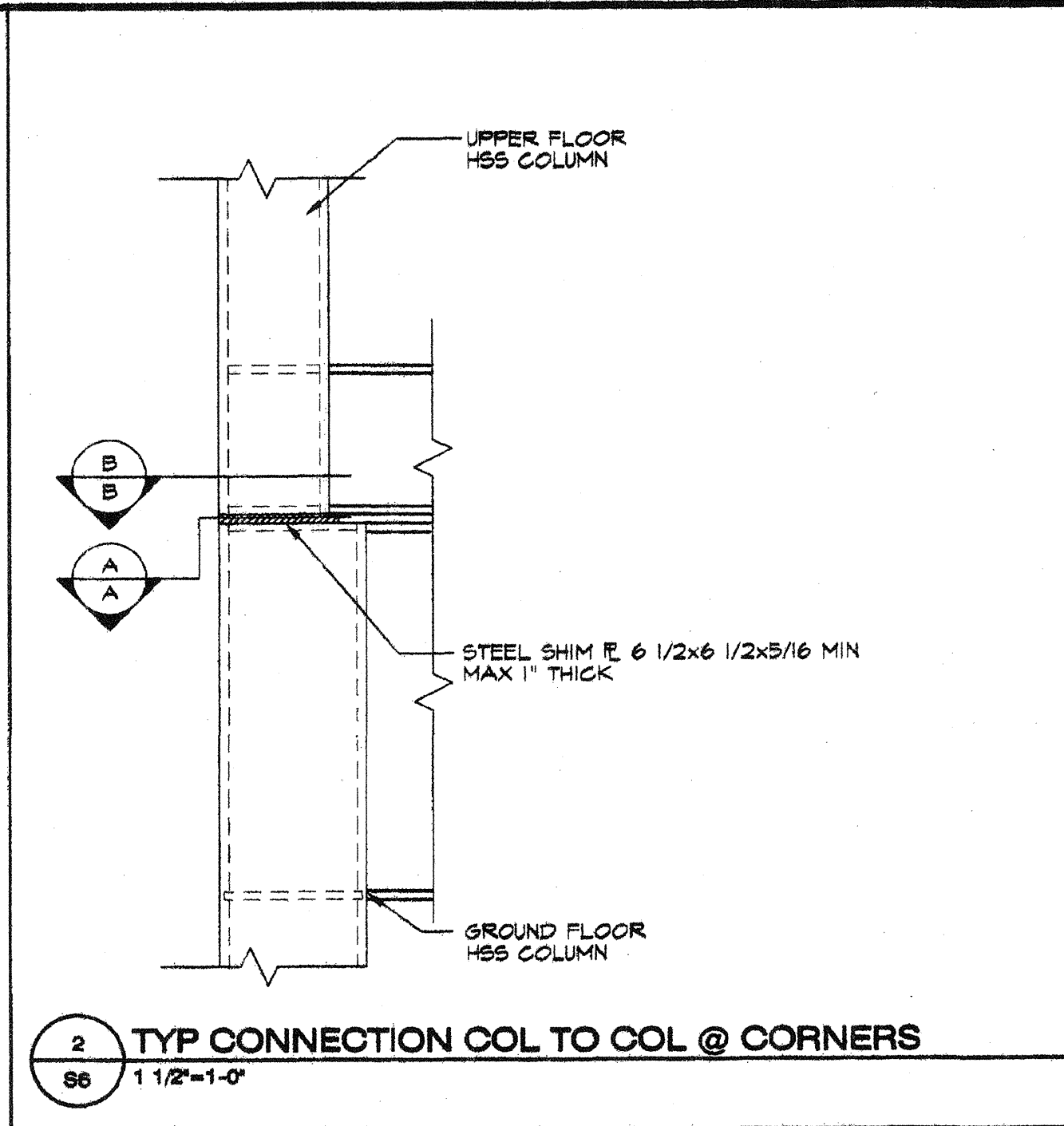
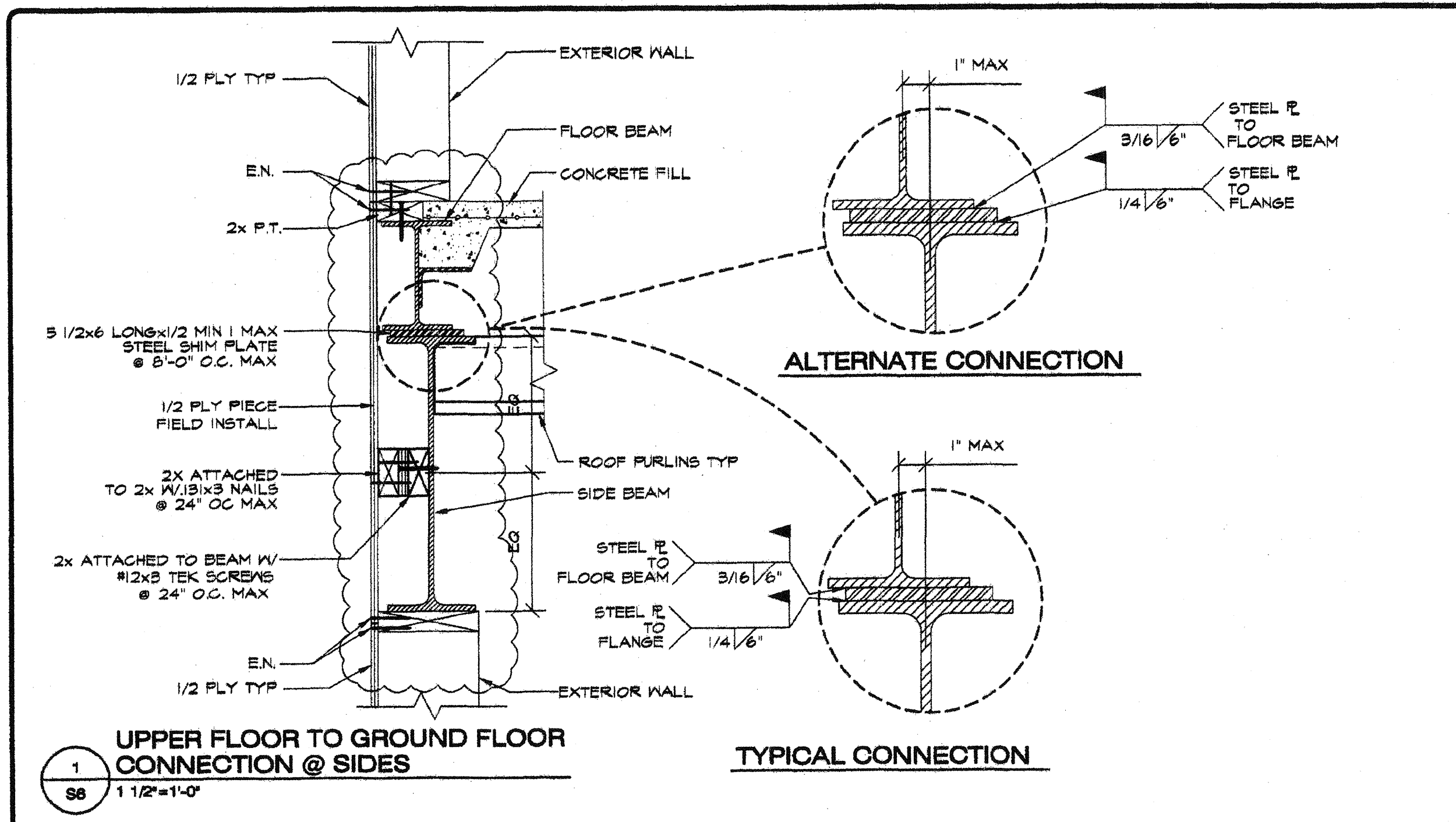
MODULAR ELEVATOR MANUFACTURING, INC.
P.O. BOX 3998
CHATSWORTH, CA. 91313
866-926-9083

PROJECT NO:
DATE: 4/17/08
ENGINEERED BY:
DRAWN BY: KPM

SHEET NAME:
WALL DETAILS

SHEET NO:
S5B

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPROX 113828
AC FLS SS 60
DATE JUL 8 2011
FILE NO.
APPLICATION NO.
02-108679
AC FLS SS 60
DATE 7/17/08



REQUIREMENTS FOR FR MOMENT CONNECTIONS

FR MOMENT CONNECTIONS THAT ARE PART OF THE SEISMIC LOAD RESISTING SYSTEM (S.L.R.S.) SHALL BE DESIGNED FOR A REQUIRED FLEXURAL STRENGTH THAT IS EQUAL TO 1.1 R_m (L.R.F.D.) OR 1.1/5 R_m (A.S.D.), AS APPROPRIATE, OF THE BEAM OR GIRDER, OR THE MAXIMUM MOMENT THAT CAN BE DEVELOPED BY THE SYSTEM, WHICHEVER IS LESS.

FR CONNECTIONS SHALL MEET THE FOLLOWING REQUIREMENTS:

- WHERE STEEL BACKING IS USED IN CONNECTIONS WITH COMPLETE-JOINT-PENETRATION (CJP) BEAM FLANGE GROOVE WELDS, STEEL BACKING AND TABS SHALL BE REMOVED EXCEPT THAT TOP-FLANGE BACKING ATTACHED TO THE COLUMN BY A CONTINUOUS FILLET WELD ON THE EDGE BELOW THE CJP GROOVE WELD NEED NOT BE REMOVED. REMOVAL OF STEEL BACKING AND TABS SHALL BE AS FOLLOWS:
 - FOLLOWING THE REMOVAL OF BACKING THE ROOT PASS SHALL BE BACKGROUSED TO SOUND WELD METAL AND BACKWELDED WITH A REINFORCING FILLET. THE REINFORCING FILLET SHALL HAVE A MINIMUM LEG SIZE OF 5/16 IN. (8 MM)
 - WELD TAB REMOVAL SHALL EXTEND TO WITHIN 1/8 IN. (3 MM) OF THE BASE METAL SURFACE, EXCEPT AT CONTINUITY PLATES WHERE REMOVAL TO WITHIN 1/4 IN. (6 MM) OF THE PLATE EDGE IS ACCEPTABLE. EDGES OF THE WELD TAB SHALL BE FINISHED TO A SURFACE ROUGHNESS VALUE OF 500 μin. (13 μm) OR BETTER. GRINDING TO A FLUSH CONDITION IS NOT REQUIRED. SOUES AND NOTCHES ARE NOT PERMITTED. THE TRANSITIONAL SLOPE OF ANY AREA WHERE SOUES AND NOTCHES HAVE BEEN REMOVED SHALL NOT EXCEED 1:5. MATERIAL REMOVED BY GRINDING THAT EXTENDS MORE THAN 1/8 IN. (3 MM) BELOW THE SURFACE OF THE BASE METAL SHALL BE FILLED WITH WELD METAL. THE CONTOUR OF THE WELD AT THE ENDS SHALL PROVIDE A SMOOTH TRANSITION, FREE OF NOTCHES AND SHARP CORNERS.

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 05-17-10

SCALE: NOTED

DRAWN BY: PL

SERIAL NO.:

CUSTOMER:

48' - 228' x 40' 2 STORY BUILDING FRAME CONNECTION DETAILS

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell
 REGISTERED PROFESSIONAL ENGINEER
 No. 412
 Exp. 3-31-11
 Structural Engineer

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APPROX 1 1 3 8 2 8
 AC: FLS SS: [initials]
 DATE: JUL 8 8 2011

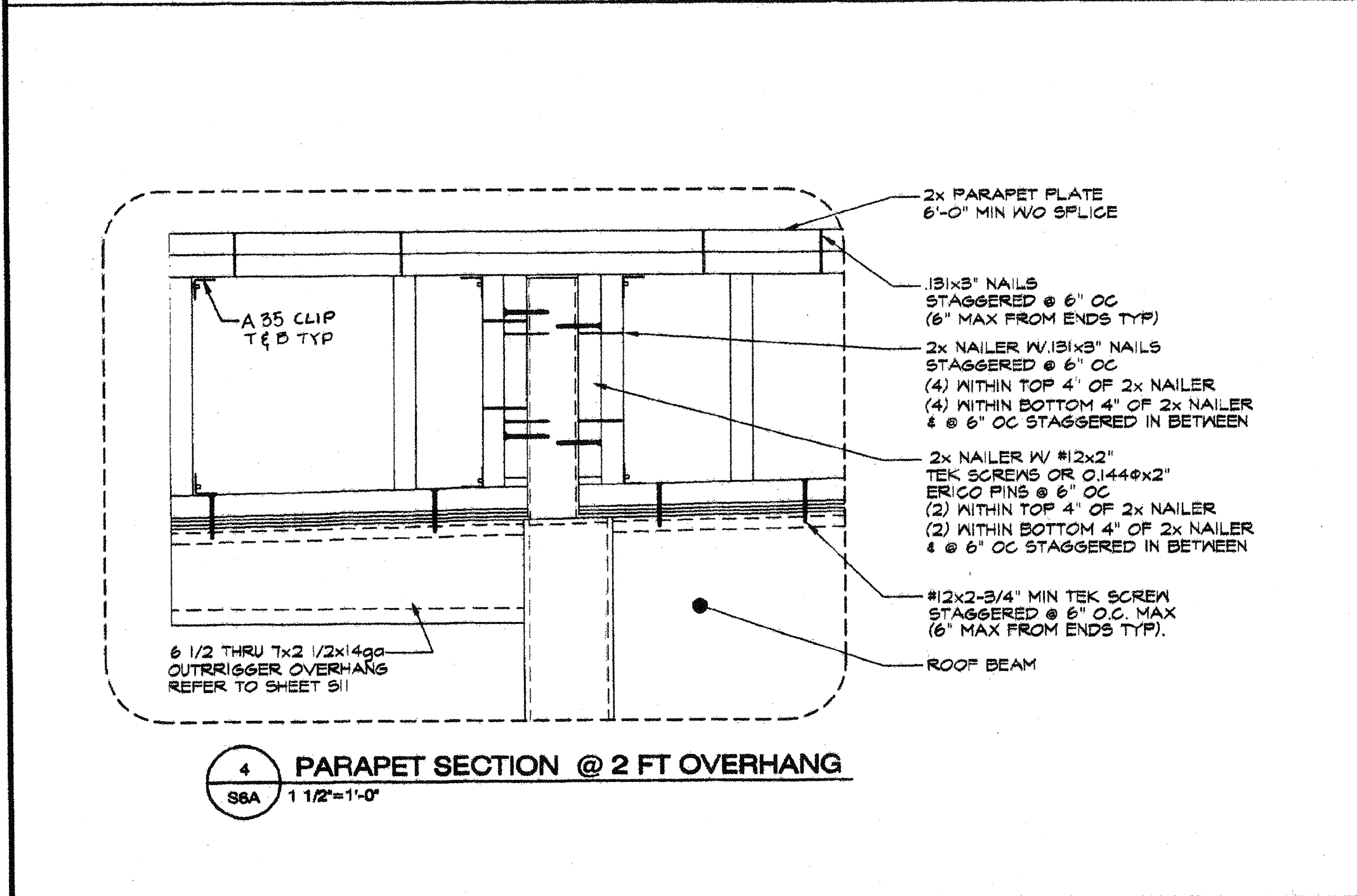
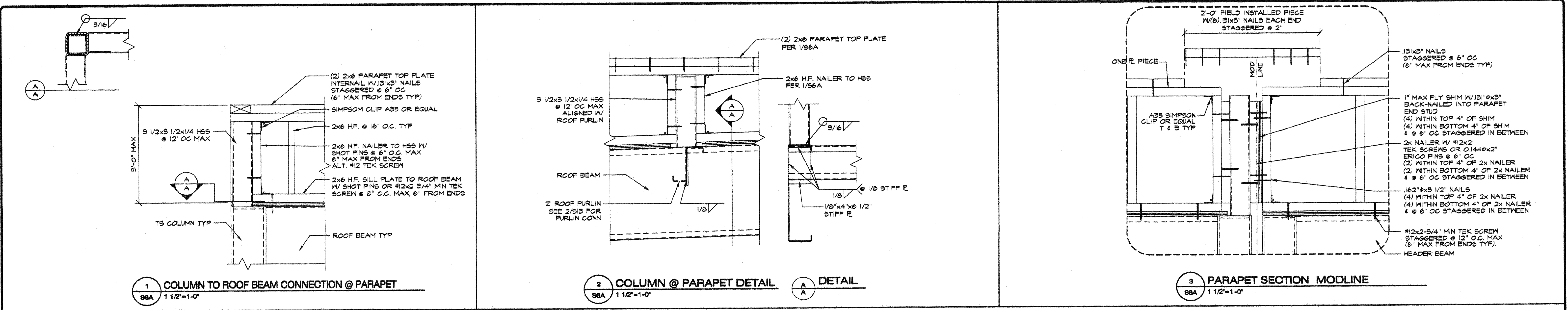
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC 02-110618
 AC: FLS SS: [initials]
 DATE: 7-14-10

PROJECT NO.: PC

S6



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REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 10-28-08
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

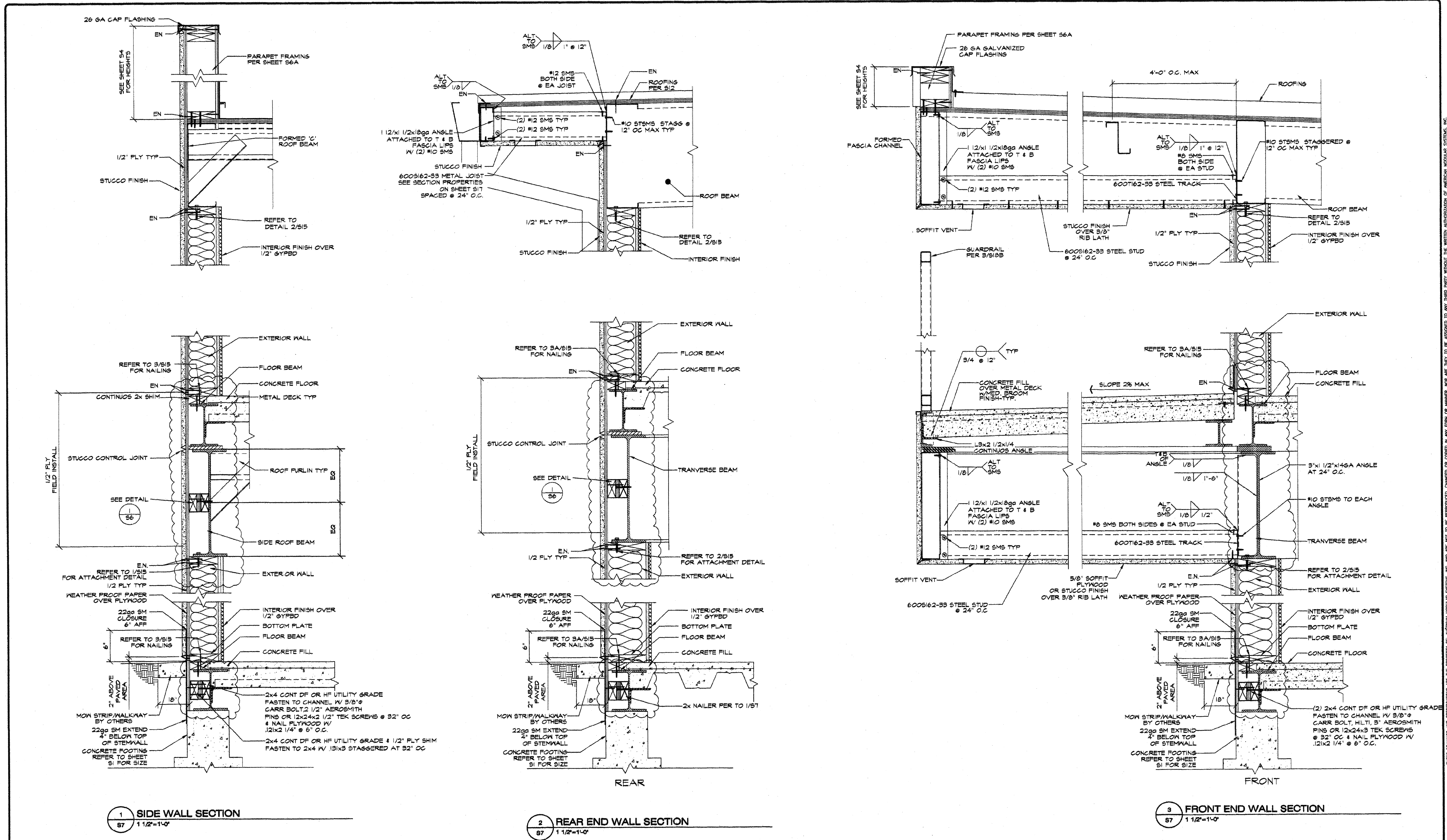
CUSTOMER:
 48' - 228' x 40' 2 STORY BUILDING
 PARAPET FRAMING DETAILS

APPROVALS:
 THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
 [Professional Engineer Seal]

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPR 113828
 AC FLS SS 60
 DATE JUL 05 2011
 [Professional Engineer Seal]

PROJECT NO.
 PC
 S6A

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NO.	DATE	DESCRIPTION

DATE: 06-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
BUILDING SECTIONS



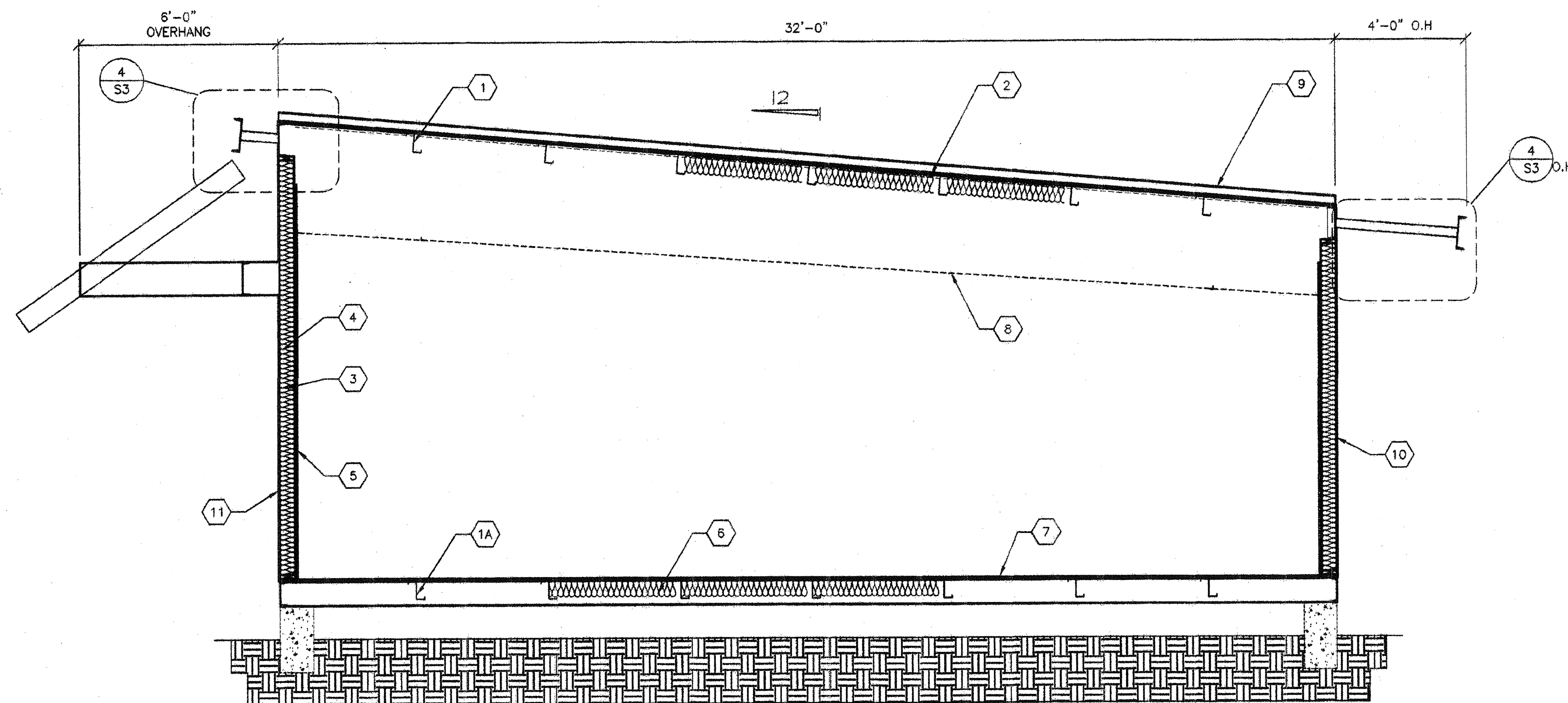
APPROVALS:
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROX 113828
AC FLS SS
DATE JUL 06 2011

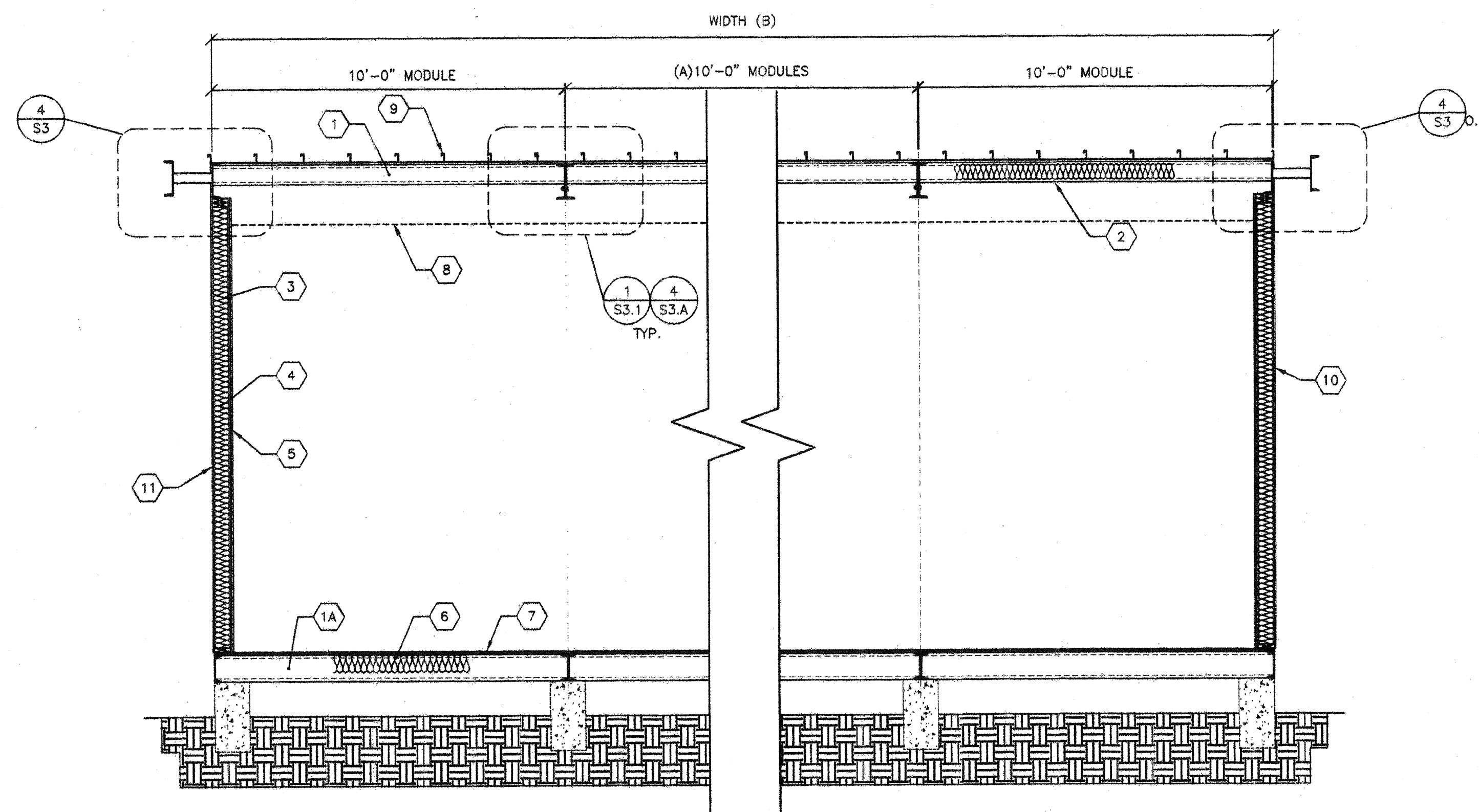
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-110618
AC FLS SS
DATE 7-14-10

PROJECT NO.
PC
S7

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A TYP. LONGITUDINAL SECTION
87 3/8"=1'-0" (MONO SLOPE)



B TYP. TRANSVERSE SECTION
87 3/8"=1'-0" (MONO SLOPE)

- KEY NOTES -

- 1 "Z" PURLINS @ 48" O.C
- 1A STEEL "Z" FLOOR JOISTS
- 2 INSULATION w/22 GA WIRE
- 3 INSULATION w/KRAFT PAPER
- 4 2x STUDS PER ELEV, S5 OR METAL STUDS PER S6
- 5 VINYL FABRIC ON RIGID TACKABLE BACKING, 8'-0" PANELS
- 6 INSULATION w/KRAFT PAPER AND CHICKEN WIRE
- 7 1 1/2" PLYWOOD OR FORTACRETE FLOOR SHEATHING FOR ALT SEE SHEET S2A
- 8 SUSPENDED T-BAR CEILING
- 9 METAL ROOF PANELS SEE ROOF FRAMING PLAN
- 10 TYPICAL PLYWOOD NAILING .131x24" GALV @ 6" O.C PANEL EDGES (ALL EDGES BLOCKED).131x24" GALV @ 12" O.C FIELD
- 11 EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
30' x 32'	3	1	30'-1 1/2"
40' x 32'	4	2	40'-3 1/4"
50' x 32'	5	3	50'-1"
60' x 32'	6	4	60'-1 1/4"
70' x 32'	7	5	70'-1 1/2"
80' x 32'	8	6	80'-1 3/4"
90' x 32'	9	7	90'-2"
100' x 32'	10	8	100'-2 1/4"
110' x 32'	11	9	110'-2 1/2"
120' x 32'	12	10	120'-2 3/4"
130' x 32'	13	11	130'-3"
140' x 32'	14	12	140'-3 1/4"
150' x 32'	15	13	150'-3 1/2"

DIMENSIONS ARE FROM FACE OF COLUMN TO FACE OF COLUMN

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 11/01/09
SCALE: NOTED
DRAWN BY: D.M.
SERIAL NO.:

CUSTOMER:
30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS BUILDING SECTIONS



APPROVALS:
Kenneth A. Lubell
No. 4418
Exp. 3-31-11
Professional Engineer
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROJ 118828
AC: FLS SS
DATE: JUL 06 2011

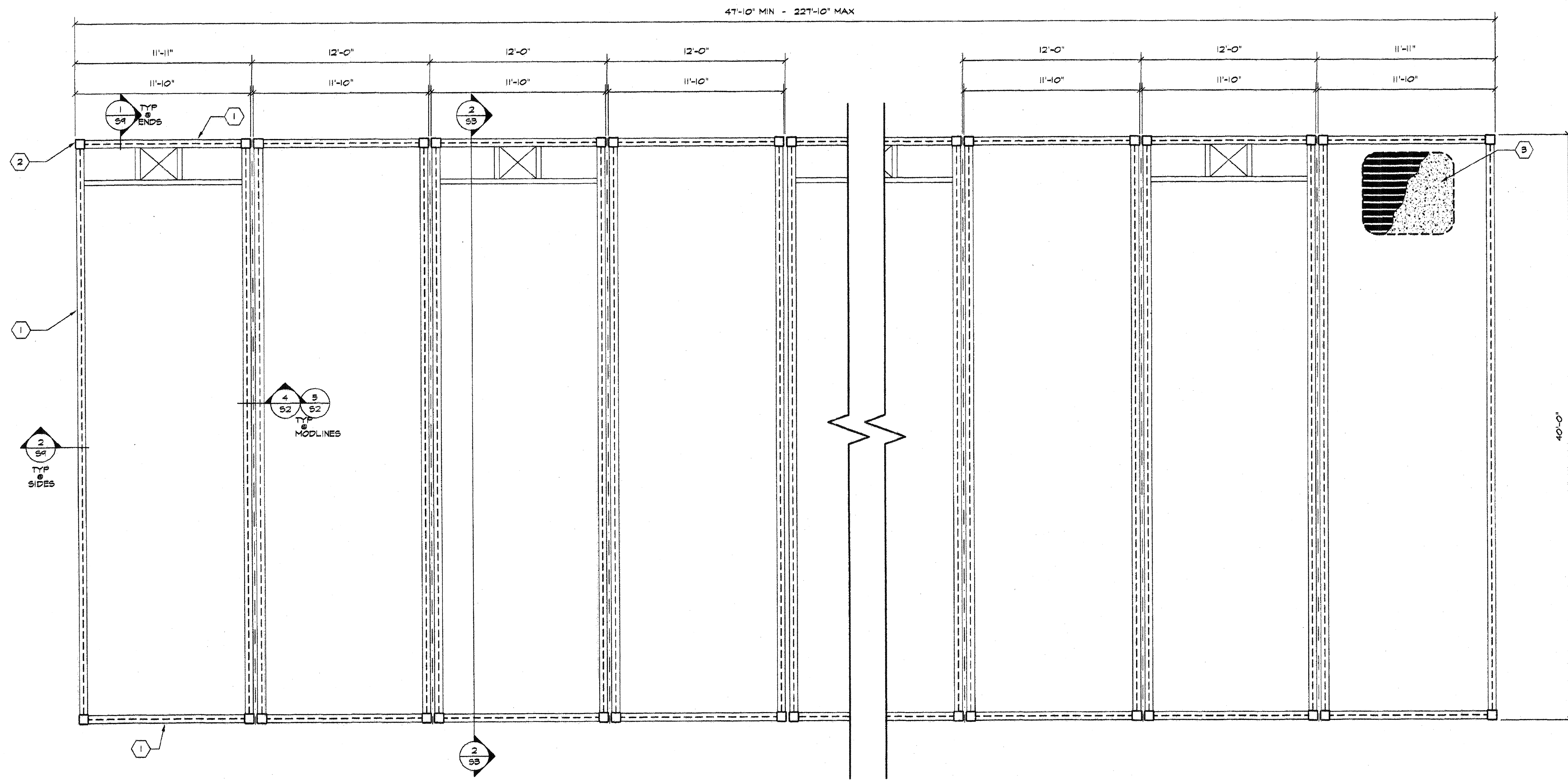
PROJECT No.
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- KEY NOTES -

- 1 N 8x24 FLOOR BEAM
- 2 H50 COLUMN SEE SHEETS S8/S4 FOR SIZES
- 3 LIGHT WEIGHT CONCRETE (SEE 4 & 5) FOR DECK PROPERTIES AND WELD PATTERN

FLOOR DECK SCHEDULE	
FLOOR LOAD	DECK
SC	N 24 OR 31X
SC-15	N 24 OR 31X
EC	31X



1 TYPICAL FIRST FLOOR - FLOOR FRAMING LAYOUT
S8 1/4"=1'-0"

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 05-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
TYPICAL FIRST FLOOR - FLOOR FRAMING LAYOUT



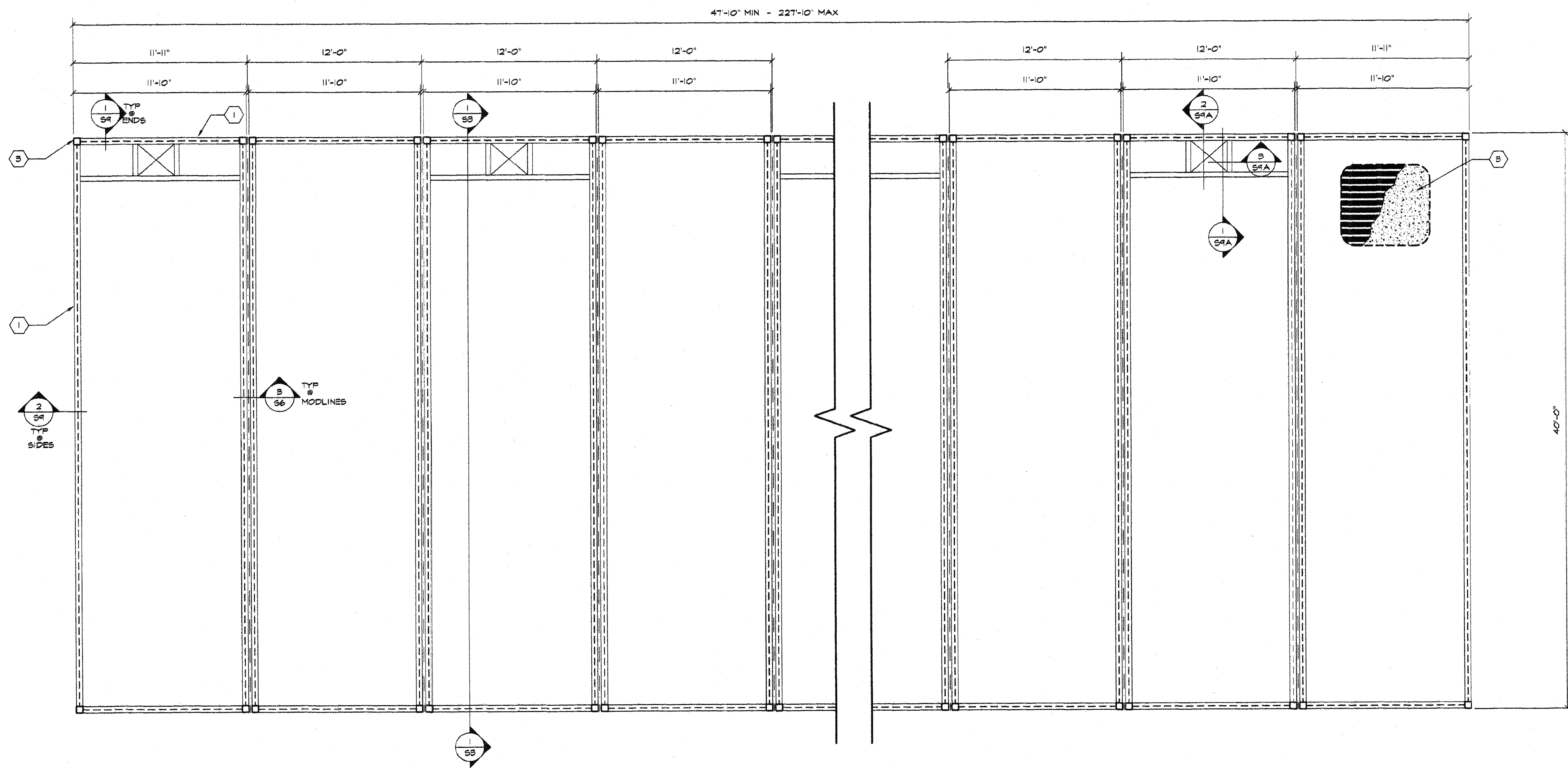
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Professional Engineer Seal for Kenneth A. Lerner, No. 7418, Exp. 5/31/11, State of California.

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DATE: 7/6/11

PROJECT No.
PC
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- KEY NOTES -

- 1 W8x18 FLOOR BEAM
- 2 HSS COLUMN SEE SHEETS 53/54 FOR SIZES
- 3 LIGHT WEIGHT CONCRETE (SEE 4 & 5/5A FOR DECK PROPERTIES AND REINFORCING PATTERN)

FLOOR DECK SCHEDULE	
FLOOR LOAD	DECK
SC	N-24 OR 2X
SC-1B	N-24 OR 2X
SC	2X

1 TYPICAL SECOND FLOOR - FLOOR FRAMING LAYOUT
SBA 1/4"=1'-0"

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 06-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
TYPICAL SECOND FLOOR - FLOOR FRAMING LAYOUT

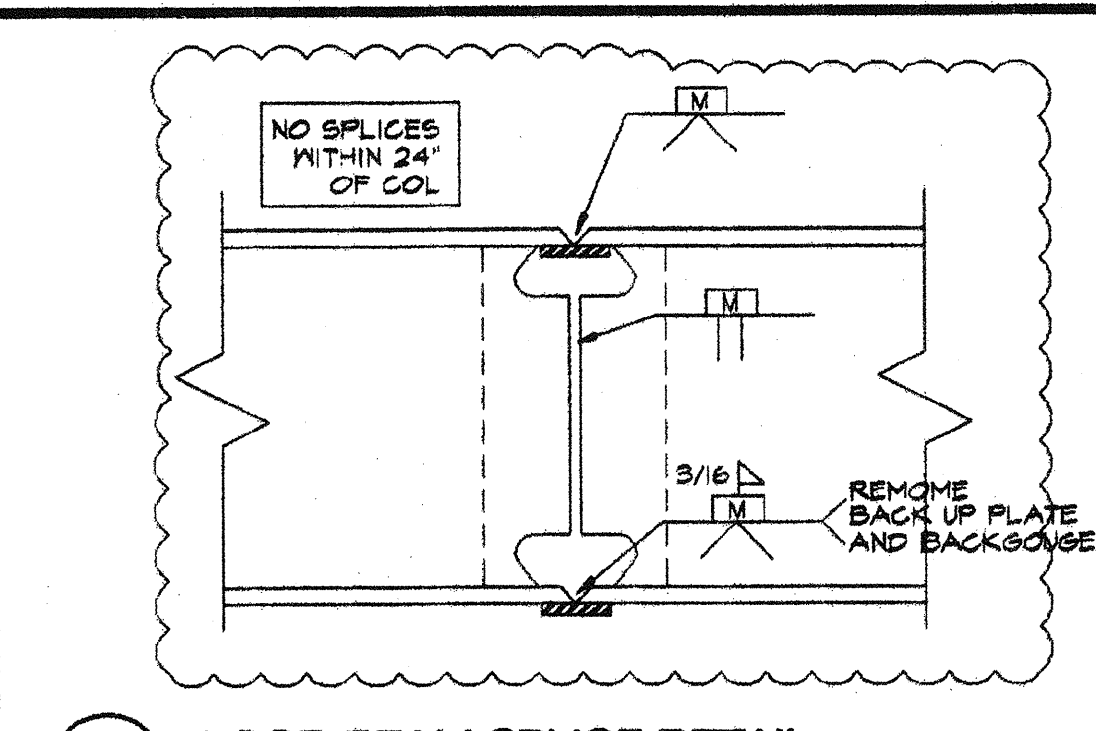
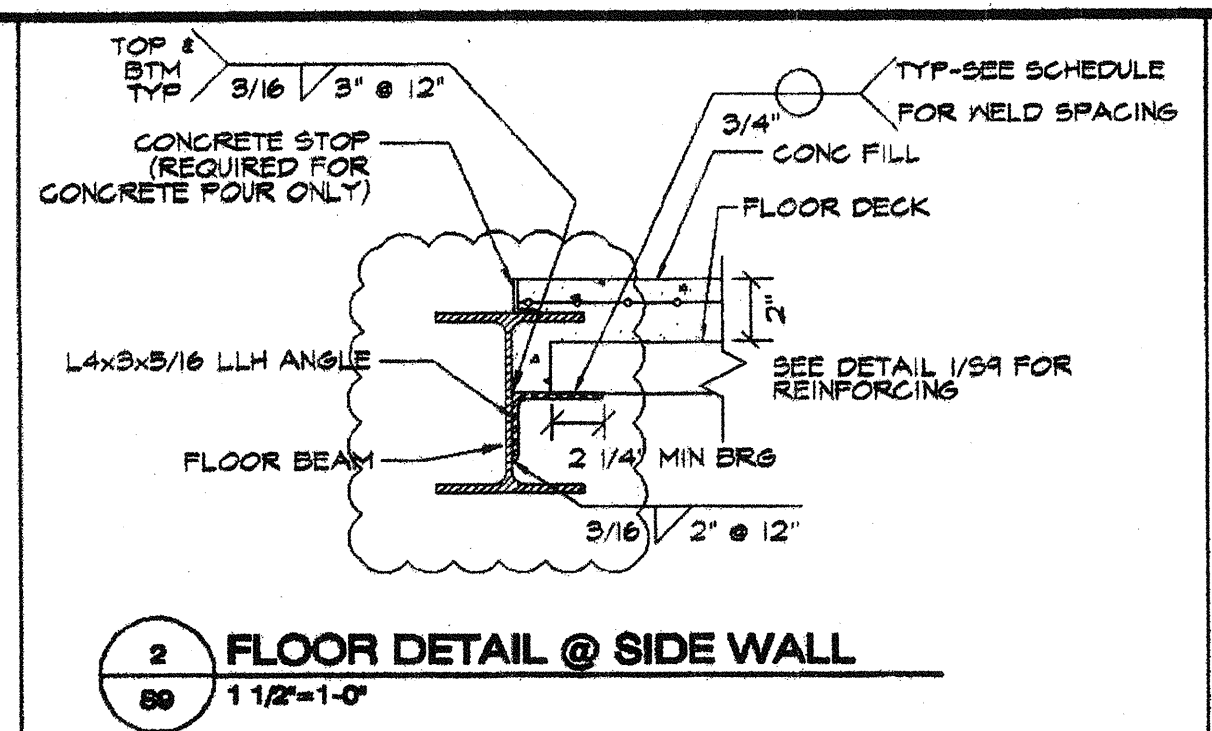
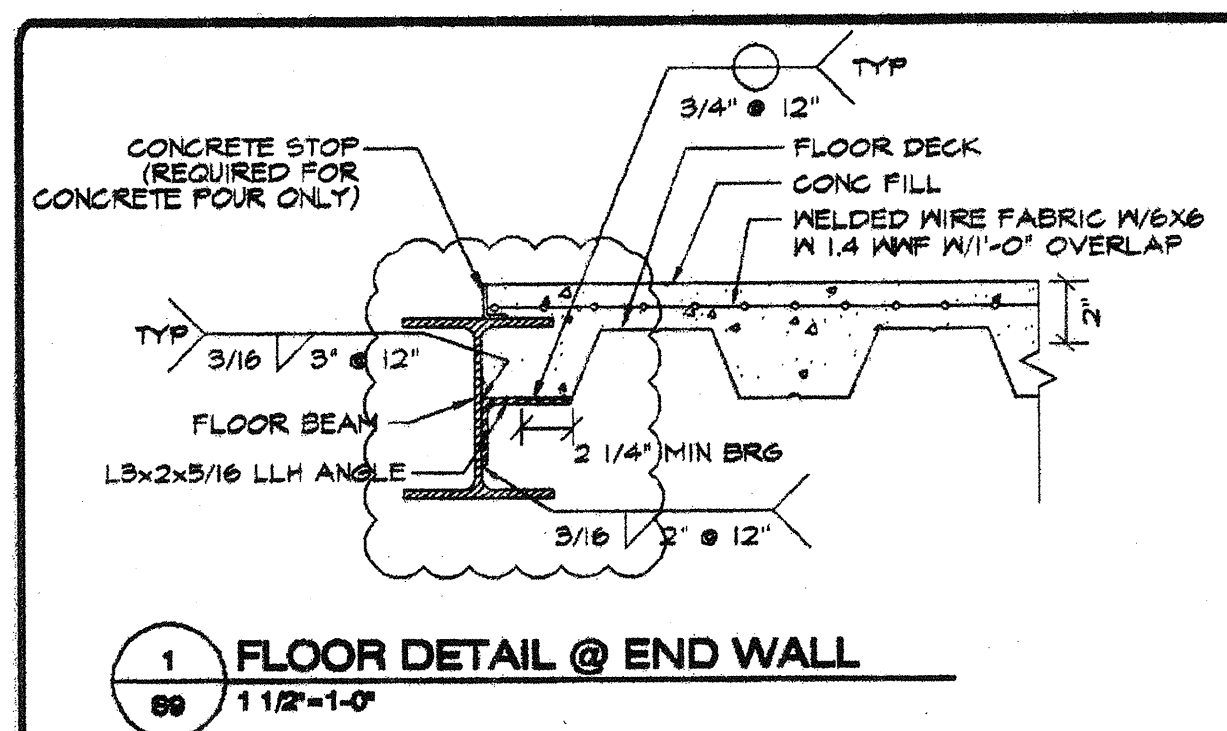


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[Signature]
REGISTERED PROFESSIONAL ENGINEER
No. 4518
Exp. 3/31/11
Structural Engineer
STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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AC FLS 88
DATE JUL 08 2010
PC 02-110618
AC FLS 88
DATE 7-17-10

PROJECT NO.
PC
S8A

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PLAN DESIGNATION	DECK TYPE	MINIMUM PROPERTIES			
		+S IN ³	-S IN ³	I IN ⁴	ALLOW DIAPHRAGM SHEAR
	3"-18 GA ASC 3W GALV DECK (36" WIDE)	0.780	0.111	1.260	596 WITH L.M.C.

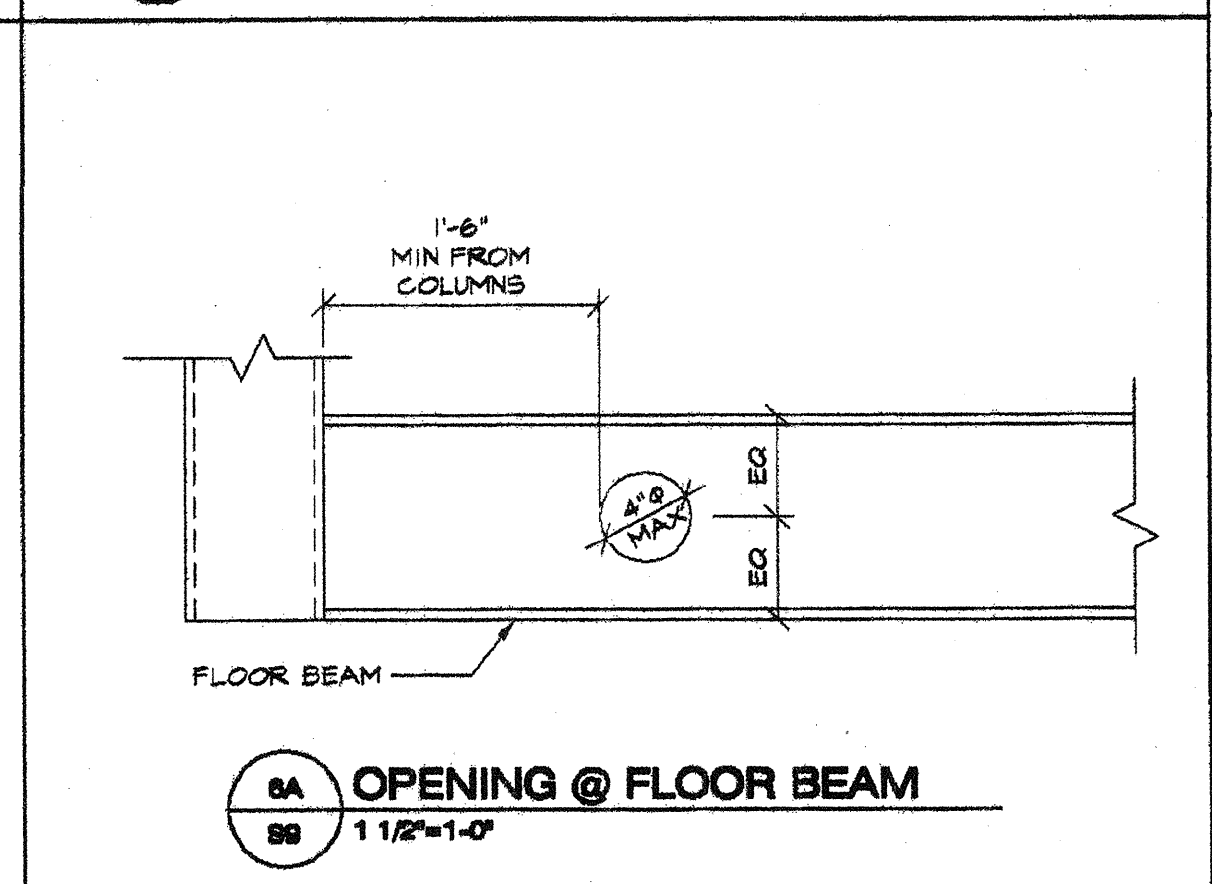
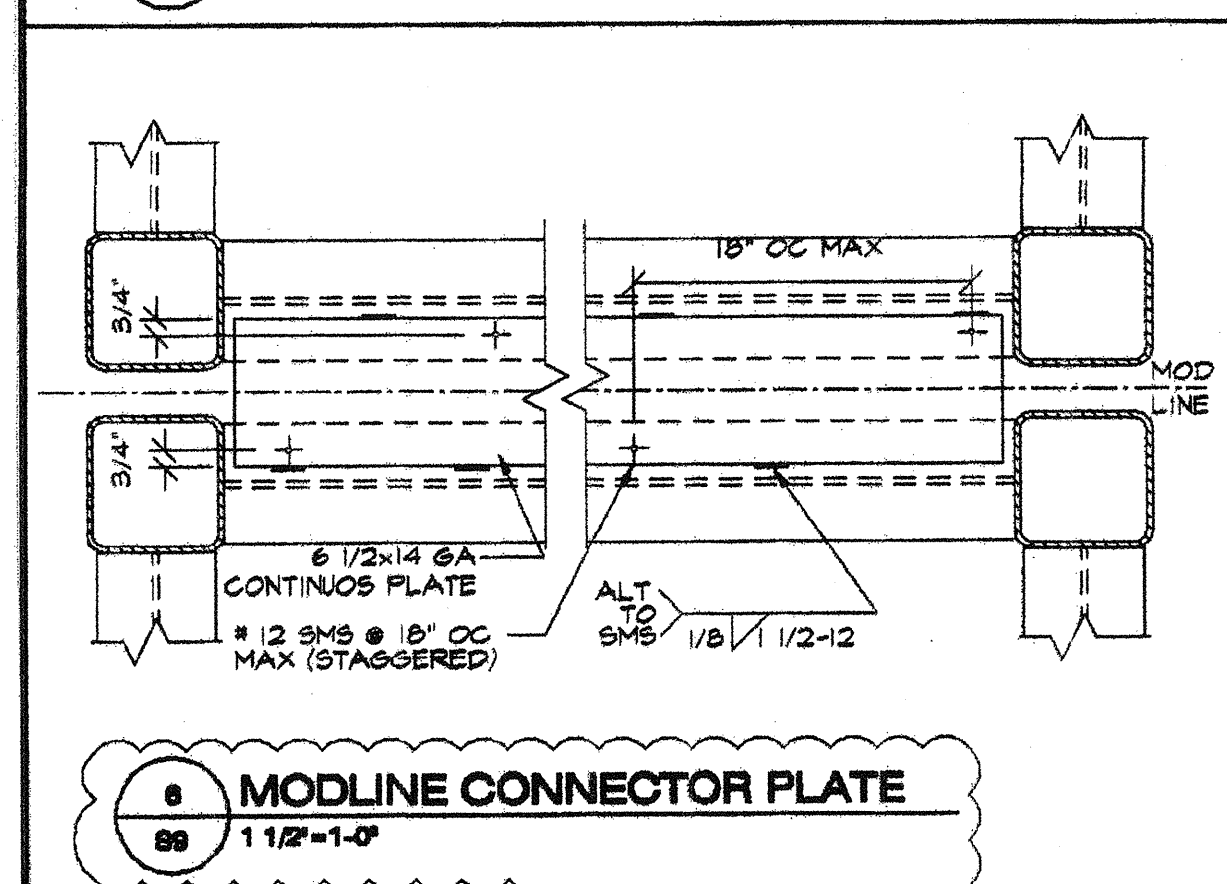
*NOTE: ASC STEEL DECKING: ICC ESR 2408
 SIDE LAP ATTACHMENT TO BE BUTTORPACHED @ 24" O.C.

4 3W METAL DECK PROPERTIES & PROFILE
 80 N.T.S.

PLAN DESIGNATION	DECK TYPE	MINIMUM PROPERTIES			
		+S IN ³	-S IN ³	I IN ⁴	ALLOW DIAPHRAGM SHEAR
	3"-18 GA ASC N-24 GALV DECK (24" WIDE)	0.681	0.165	1.230	450 PLF

*NOTE: ASC STEEL DECKING: ICC ESR 2408
 SIDE LAP ATTACHMENT TO BE BUTTORPACHED @ 24" O.C.

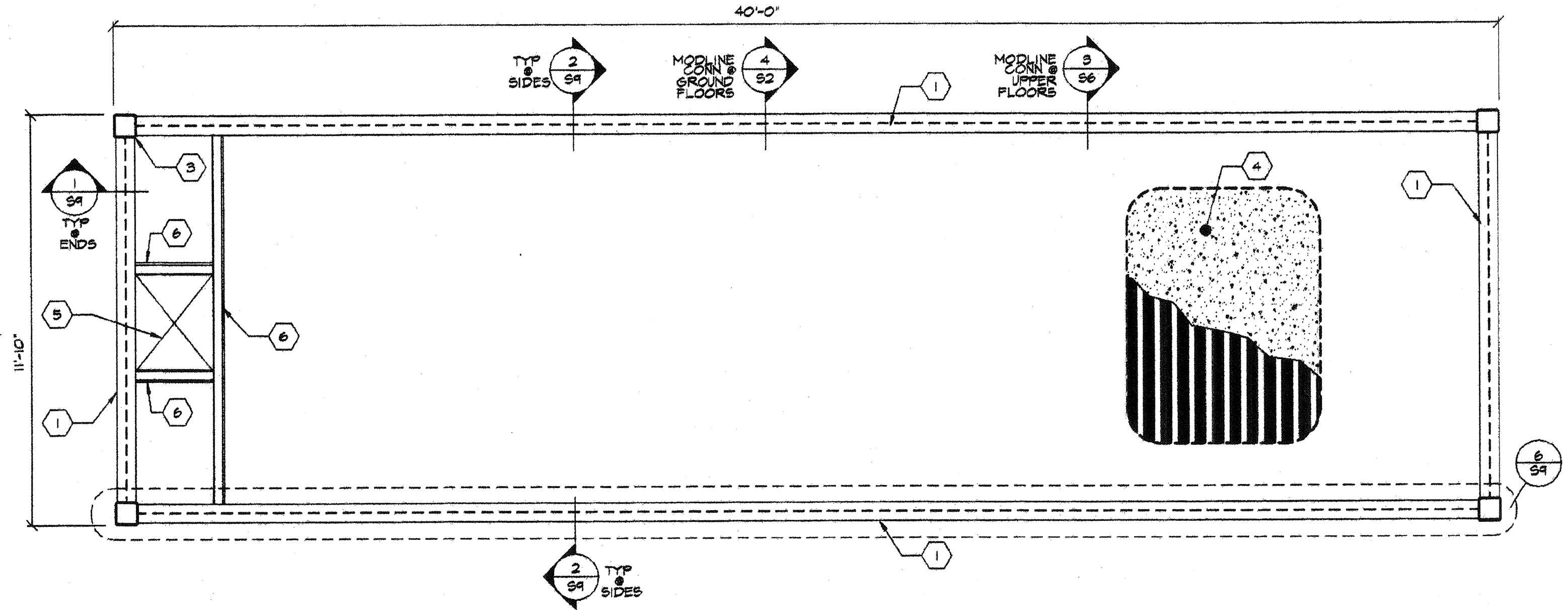
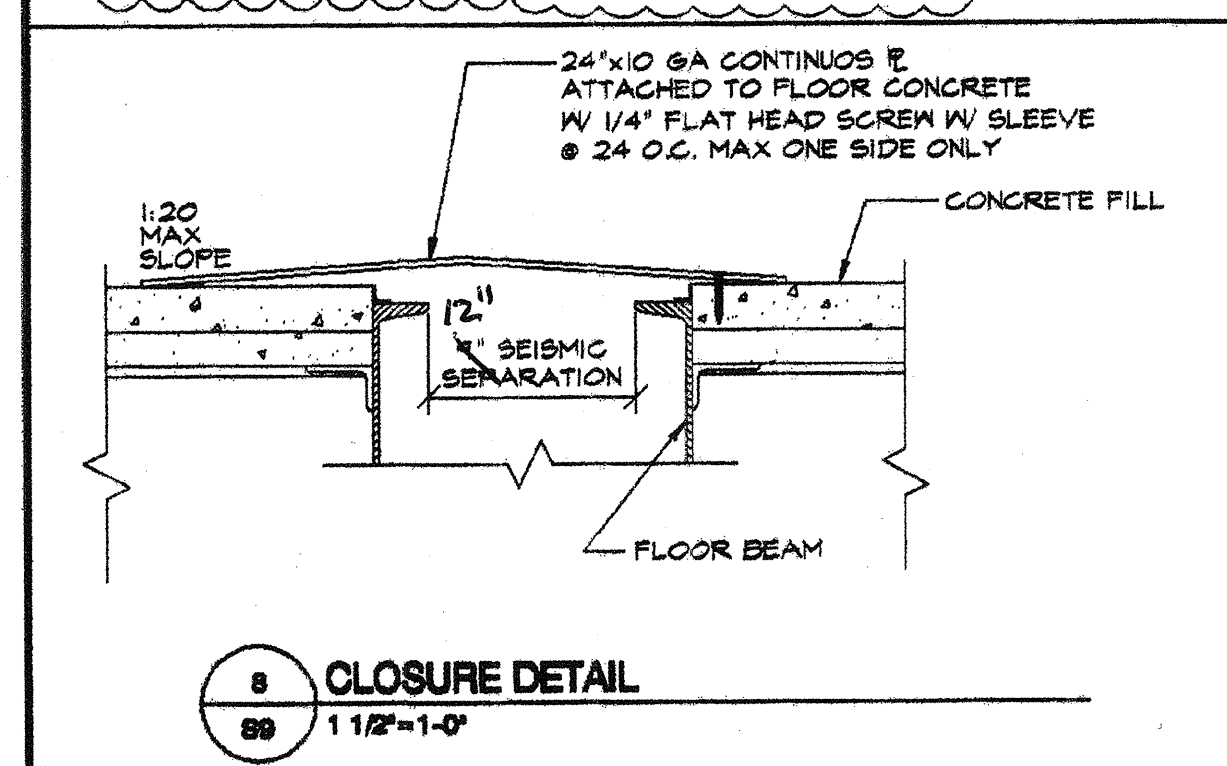
5 N24 METAL DECK PROPERTIES & PROFILE
 80 N.T.S.



- KEY NOTES -

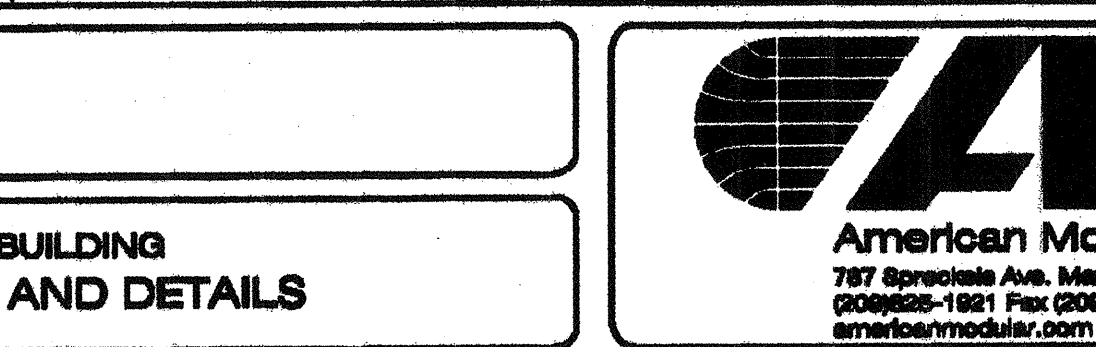
- M 8x24 FLOOR BEAM AT GROUND FLOORS ALTERNATE C10x15.3
- M 8x18 FLOOR BEAM AT UPPER FLOORS ALTERNATE C10x15.3
- NOT USED
- REFER TO H56 SCHEDULE ON SHEETS 58 & 54 FOR SIZES
- LIGHT WEIGHT CONCRETE 2" ABOVE METAL DECK (SEE 4 & 5/54 FOR DECK PROPERTIES AND WELD PATTERN)
- FLOOR DECK SCHEDULE
- MAX OPENING SIZE 4'-0"x4'-0"
- WALL CHASE LOCATION MAY VARY REFER TO FLOOR PLAN FOR LOCATIONS
- M4x15 JOIST REQUIRED AT OPENINGS

FLOOR LOAD	DECK
50	N-24 OR 3W
50-15	N-24 OR 3W
100	3W



NO	DATE	DESCRIPTION

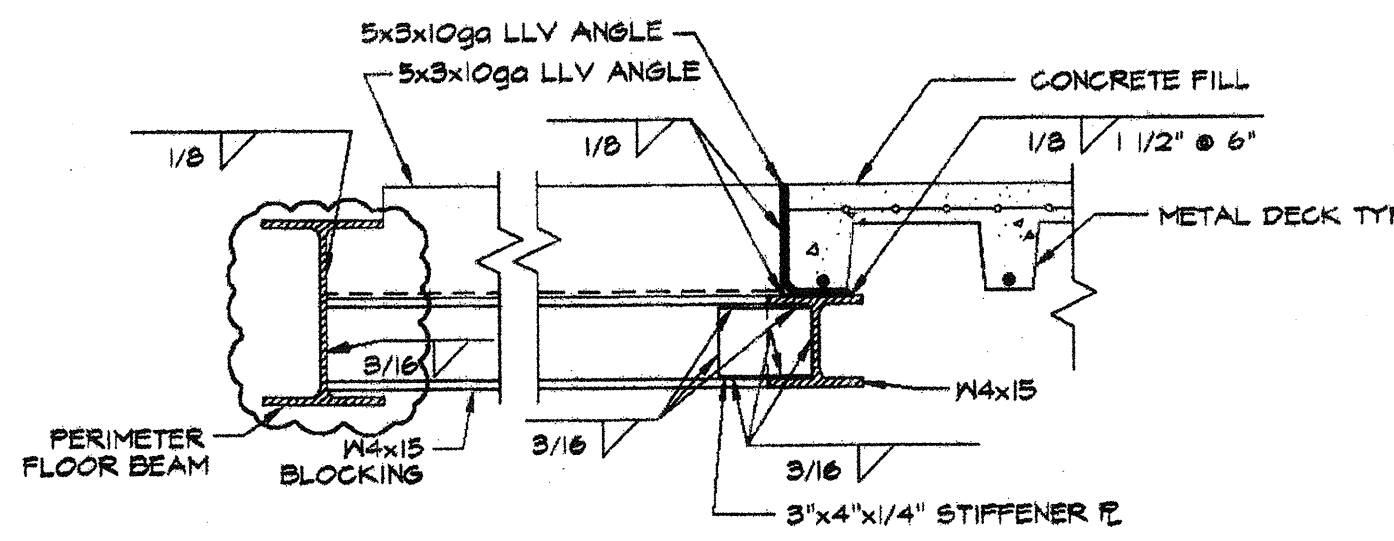
DATE: 05-17-10
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:
 CUSTOMER:
 48' - 228' x 40' 2 STORY BUILDING
 FLOOR FRAMING PLANS AND DETAILS



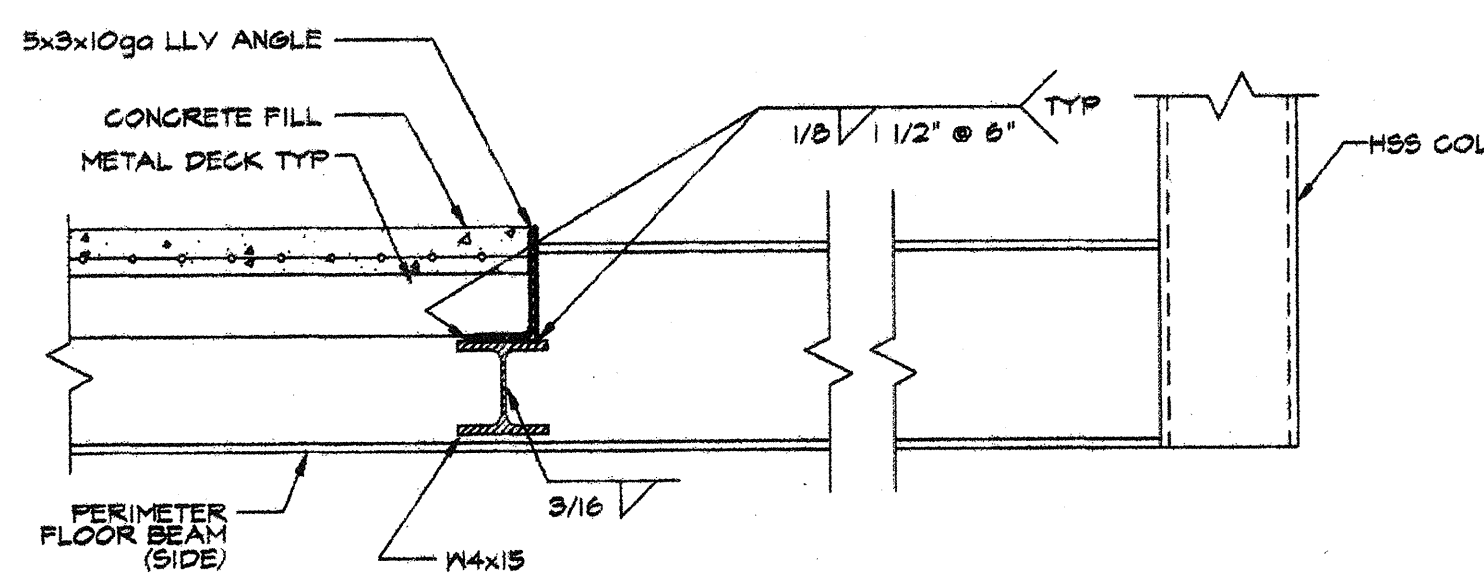
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 PROFESSIONAL ENGINEER
 American A. Leland
 No. 148
 Exp. 3-31-11
 Project Engineer
 DATE: JUL 06 2011

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 OFFICE OF REGULATION SERVICES
 APPROX 113828
 AC: FLS SS 01
 DATE: JUL 06 2011
 PROJECT NO. PC
 S9

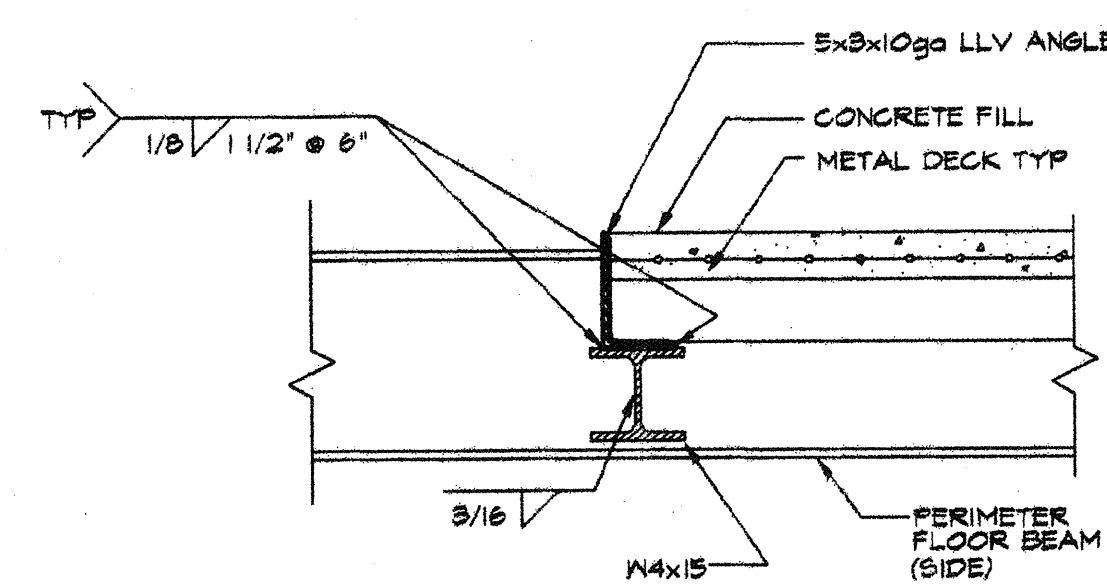
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1 OPENING DETAIL @ FLOOR
BBA 1 1/2"=1'-0"



2 OPENING DETAIL @ FLOOR
BBA 1 1/2"=1'-0"



3 OPENING DETAIL @ FLOOR
BBA 1 1/2"=1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 06-17-10
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
48' - 228' x 40' 2 STORY BUILDING
FLOOR FRAMING DETAILS

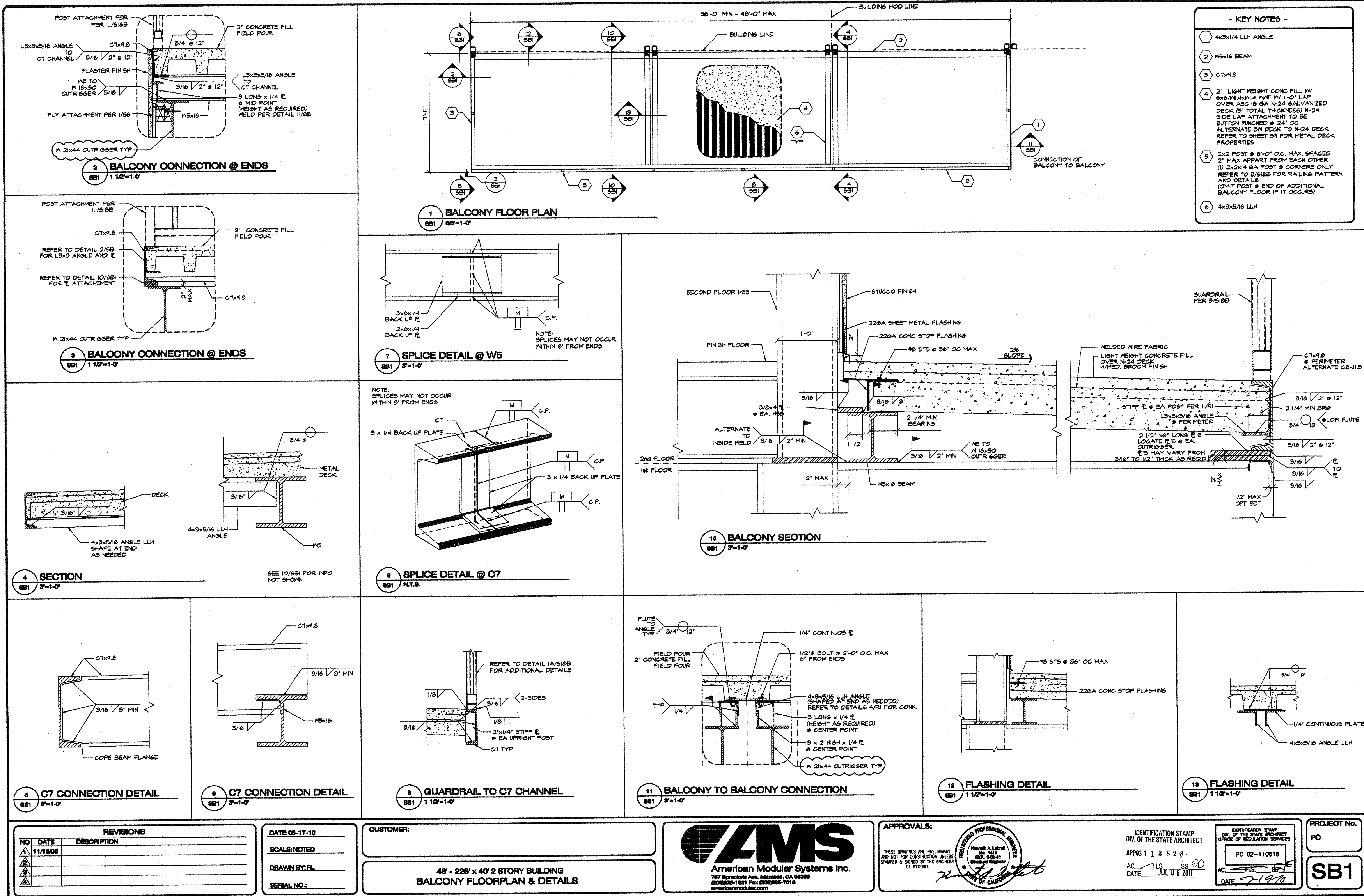


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[Signature]

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DATE JUL 4 8 2011

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PC 02-110618
AC FLS SS
DATE 7-9-11

PROJECT No.
PC
S9A



- KEY NOTES -**
- 1 4x3x5/16 LLH ANGLE
 - 2 #5x16 BEAM
 - 3 C7x9.8
 - 4 2" LIGHT WEIGHT CONC FILL W/ 3/8x5/16x5/16 W/ 1'-0" LAP OVER ASC IS GA N-24 GALVANIZED DECK (5" TOTAL THICKNESS) N-24 SIDE LAP ATTACHMENT TO BE BUTT PUNCHED @ 2' O.C. ALTERNATE 3" DECK TO N-24 DECK REFER TO SHEET 54 FOR METAL DECK PROPERTIES
 - 5 2x2 POST @ 6'-0" O.C. MAX SPACED 2" MAX APART FROM EACH OTHER (1) 2x2x4 GA POST @ CORNERS ONLY REFER TO SHEET 54 FOR RAILING PATTERN AND DETAILS (OMIT POST @ END OF ADDITIONAL BALCONY FLOOR IF IT OCCURS)
 - 6 4x3x5/16 LLH

REVISIONS

NO.	DATE	DESCRIPTION
1	11/18/05	
2		
3		
4		

DATE: 05-17-10
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
 48' - 228' x 40' 2 STORY BUILDING
 BALCONY FLOORPLAN & DETAILS



APPROVALS:
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Professional Engineer Seal: Kenneth A. Leland, No. 5015, Exp. 9-31-11, Structural Engineering, State of California.

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 AC: FLS SS 00
 DATE: JUL 18 2011

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 OFFICE OF REGULATION SERVICES
 PC 02-110618
 AC: FLS SS 00
 DATE: 7/19/11

PROJECT NO.
 PC
SB1

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 1 of 3) PERF-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg Date: 12/7/2009

Project Address: CA Climate Zone 15 Total Cond. Floor Area: 980 Addition Floor Area: n/a

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room

Phase of Construction: New Construction Addition Alteration

STATEMENT OF COMPLIANCE

This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a building using the performance compliance approach.

The documentation author hereby certifies that the documentation is accurate and complete.

Documentation Author

Company: Capital Engineering Consultants, Inc. Name: Aaron Wasserhuth

Address: 11020 Sun Center Dr #102 City/State/Zip: Rancho Cordova, CA 95670 Phone: 916-851-3500

Signed: [Signature] Date: 12-7-09

The Principal Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the energy efficiency requirements contained in sections 110, 116 through 118, and 140 through 148 of Title 24, Part 6. Please check one:

ENV. LTG. MECH.

I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am licensed in the State of California as an engineer, mechanical engineer, electrical engineer, or I am a licensed architect.

I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work.

I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 6537, 6538 and 6737.1.

Principal Envelope Designer

Company: American Modular Systems Address: 787 Spreckle Ave City/State/Zip: Manteca, CA 95336

Name: Ramon Lopez Phone: (209) 825-1821

Signed: [Signature] License #: 661154 Date: 12-04-09

Principal Mechanical Designer

Company: American Modular Systems Address: 787 Spreckle Ave City/State/Zip: Manteca, CA 95336

Name: Ramon Lopez Phone: (209) 825-1821

Signed: [Signature] License #: 661154 Date: 12-04-09

Principal Lighting Designer

Company: American Modular Systems Address: 787 Spreckle Ave City/State/Zip: Manteca, CA 95336

Name: Ramon Lopez Phone: (209) 825-1821

Signed: [Signature] License #: 661154 Date: 12-04-09

INSTRUCTIONS TO APPLICANT COMPLIANCE & WORKSHEETS (check box if worksheets are included)

ENV-1C Certificate of Compliance, Required on plans. MECH-1C Certificate of Compliance, Required on plans.

LTG-1C Certificate of Compliance, Required on plans. MECH-2C Air/Water Side/Service Hot Water & P&ID Requirements.

LTG-2C Lighting Controls Credit Worksheet. MECH-3C Mechanical Ventilation and Exhaust.

LTG-3C Motor Lighting Power Allowance. MECH-5C Mechanical Equipment Details.

EnergyPro 5.0 by EnergySoft User Number: 5288 RunCode: 2008-12-07T15:01:33 ID: 000606.00 Page 3 of 25

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 2 of 3) PERF-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg Date: 12/7/2009

ANNUAL TDV ENERGY USE SUMMARY (dbswhg/yr)

Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	3.38	6.40	-3.02
Space Cooling	233.85	247.89	-14.04
Indoor Fans	68.38	119.81	-51.43
Heat Rejection	0.00	0.00	0.00
Pumps & Misc.	0.00	0.00	0.00
Domestic Hot Water	97.94	101.73	-3.80
Lighting	83.99	46.87	37.12
Receptacle	64.10	64.10	0.00
Process Lighting	0.00	0.00	0.00
Process Lighting	0.00	0.00	0.00
TOTALS	584.60	577.81	6.79

Percent better than Standard: 1.2% (1.2% excluding process)

BUILDING COMPLIES

GENERAL INFORMATION

Building Orientation: (N) 0 deg Conditioned Floor Area: 980 sqft

Number of Stories: 1 Unconditioned Floor Area: 0 sqft

Number of Systems: 1 Conditioned Footprint Area: 980 sqft

Number of Zones: 1 Natural Gas Available On Site: (No Natural Gas Available)

Front Elevation

Orientation	Gross Area	Glazing Area	Glazing Ratio
Front Elevation	(N) 420	223	53.0%
Left Elevation	(S) 375	0	0.0%
Rear Elevation	(S) 420	42	10.1%
Right Elevation	(W) 375	0	0.0%
Roof	(W) 1,869	263	18.7%
Total	3,459	326	9.4%

Lighting Power Density

Standard	Proposed
1.200 W/sqft	0.670 W/sqft
63,486	128,998

Remarks:

Baseline Pre-Check: R-10 Metal Framed Roof (R-Insulation) R-30 Metal Framed Roof (R-Insulation) 12-3/8" Light Fixtures @ 67 watts each w/ Occupancy Sensor Dual Power Low E Windows 50%+30% U-Value Type Not Heat Treat

EnergyPro 5.0 by EnergySoft User Number: 5288 RunCode: 2008-12-07T15:01:33 ID: 000606.00 Page 4 of 25

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 3 of 3) PERF-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg Date: 12/7/2009

ZONE INFORMATION

System Name	Zone Name	Occupancy Type	Floor Area (sqft)	Inst. LPD (W/ft²)	Calc. Cooling (kW/ft²)	Allowed LPD (W/ft²)	Tolerance (W/ft²)	Proc. Loads (W/ft²)
Bar CH-431-A	Gen 7 Modular Classroom	Classroom, Lecture, Training	980	0.835	0.168			

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justifications, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

The HVAC System Barf Quite Chiller 2 CH-431-A Premium Efficiency 0.75 BHP Supply Fan Motor has been specified.

Authorized Signature or Stamp: [Signature]

EnergyPro 5.0 by EnergySoft User Number: 5288 RunCode: 2008-12-07T15:01:33 ID: 000606.00 Page 5 of 25

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg Date: 12/7/2009

Project Address: CA Climate Zone 15 Total Cond. Floor Area: 980 Addition Floor Area: 980

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room

Schools (Public School): Ratable Public School Building Conditioned Spaces Unconditioned Spaces

Slight Area for Large Enclosed Space > 2000 ft² (if checked include the ENV-4C with submittal)

Phase of Construction: New Construction Addition Alteration

Approach of Compliance: Component Overall Envelope Overall (the default)

Front Orientation: N, E, S, W or in Degrees: 0 deg

FIELD INSPECTION ENERGY CHECKLIST

Tag/ID	Assembly Frame Type	Surface Area (ft²)	Surface U-Value (N, E, S, W)	Construction R-Value	Frame U-Value	Conditioned Space
Wall	Metal Framed	173	(N)	R-19	0.0	New
Door	Slipstream Door	24	(N)	R-19	0.0	New
Wall	Slipstream Panel or Glass Curtain	42	(S)	None	13.0	New
Wall	Metal Framed	335	(S)	R-19	0.0	New
Wall	Metal Framed	375	(E)	R-19	0.0	New
Wall	Metal Framed	375	(W)	R-19	0.0	New
Floor	Metal Framed Rafter	980	(S)	R-30	0.0	New
Floor	Concrete Slab	980	(N)	R-4	0.0	New

FENESTRATION SURFACE DETAILS

Tag/ID	Fenestration Type	Surface Area (sqft)	Surface U-Value (N, E, S, W)	# of Panes	Max. U-Value	Shading Coefficient	Shading Coefficient (Default)	Overhang	Conditioned Space
1	Window	80	(N)	0.280	COG	0.300	COG	0	New
2	Window	115	(N)	0.280	COG	0.300	COG	0	New
3	Window	12	(N)	0.280	COG	0.300	COG	0	New
4	Window	17	(N)	1.180	Default	0.830	Default	0	New
5	Window	45	(S)	0.280	COG	0.300	COG	0	New

1. Indicate the identifying name of the frame type (i.e. Window #1).

2. Indicate type of construction type such as Window, Glass Door, Curtain wall, Skylight, or other.

3. Indicate if the efficiency values are from the NFRC Label Certificate or from the CEC Default Values. Enter NFRC or CEC (FC1 and FC2).

4. Indicate Status of fenestration (New, Existing or Upgrade).

5. Indicate Special Features on Page 2 of the Inspection Checklist Form below.

6. If fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EnergyPro 5.0 by EnergySoft User Number: 5288 RunCode: 2008-12-07T15:01:33 ID: 000606.00 Page 6 of 25

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 2 of 3) ENV-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg Date: 12/7/2009

ROOFING PRODUCT (COOL ROOFS)

Note: If the roofing product is not CRRC certified, this compliance approach cannot be used. Go to Overall Envelope Approach or Performance Approach.

CRRC APPLICABLE BOX BELOW IF EXEMPT FROM THE ROOFING PRODUCT 'COOL ROOF' REQUIREMENTS:

Roofing compliance is required in Climate Zones 1 and 11 with a Low-Sloped, 2:12 pitch or less.

Roofing compliance is required in Climate Zone 1 with a Steep-Sloped with less than 8:12. Greater than 2:12 pitch.

Low-sloped Wood Shingle or Asphalt/Flt Shingles with a minimum solar reflectance index of 0.55 and thermal emittance of 0.75.

The roof area covered by existing insulation products, seams and building integrated solar thermal panels are exempt. Solar reflectance and thermal emittance or SR and SEI, respectively, calculator at www.enr.com/coolroofs.

Roofing products that have thermal mass over the roof membrane with a weight of at least 25 lb/ft² are exempt.

The Cool Roof credits below:

High-rise residential buildings and hotels and motels with low-sloped roofs in Climate Zones 1 through 5, 12 and 16 are exempt from the low-sloped roof credits.

1. If fail then describe on the page of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

CRRC Product ID

Product ID	Roof Slope	Product Weight	Product Type	Appl. Solar Reflectance	Thermal Emittance	SR
1	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
2	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
3	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
4	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
5	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
6	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
7	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
8	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
9	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
10	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
11	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
12	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
13	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
14	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
15	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
16	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
17	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
18	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
19	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
20	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
21	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
22	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
23	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
24	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
25	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
26	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
27	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
28	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
29	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
30	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
31	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
32	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
33	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
34	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
35	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
36	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
37	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
38	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
39	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
40	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
41	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
42	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
43	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
44	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
45	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
46	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
47	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
48	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
49	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
50	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
51	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
52	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
53	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
54	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
55	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
56	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
57	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
58	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
59	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
60	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
61	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
62	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
63	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
64	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
65	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
66	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
67	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
68	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
69	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
70	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
71	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
72	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
73	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
74	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
75	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55	0.75	0
76	2:12 to 12:12	3 lb/ft² to 8 lb/ft²	Asphalt/Flt Shingles	0.55		

PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 1 of 3) PERF-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30'x150') Date: 12/7/2009

Project Address: Climate Zone 15 Total Cond. Floor Area 4,800 Addition Floor Area n/a

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room

Schools (Public School) Reconfigurable Public School Conditioned Spaces Unconditioned Spaces

Phase of Construction: New Construction Addition Alteration

STATEMENT OF COMPLIANCE

This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a Building using the performance compliance approach.

The documentation author hereby certifies that the documentation is accurate and complete.

Documentation Author: Capital Engineering Consultants, Inc. Name: Aaron Wintersmith Date: 12/7/09

Address: 11620 Sun Center Dr #100 Phone: 916-681-9500

The Principal Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the energy efficiency requirements contained in sections 110, 118 through 119, and 140 through 149 of Part 6. Please check one:

ENV. LTO. MECH. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or a licensed architect.

Principal Envelope Designer: American Modular Systems, Inc. Name: Ronan Lopez Date: 12-04-09

Address: 787 Sprackles Ave Phone: (209) 825-1921

Principal Mechanical Designer: American Modular Systems, Inc. Name: Ronan Lopez Date: 12-04-09

Address: 787 Sprackles Ave Phone: (209) 825-1921

Principal Lighting Designer: American Modular Systems, Inc. Name: Ronan Lopez Date: 12-04-09

Address: 787 Sprackles Ave Phone: (209) 825-1921

INSTRUCTIONS TO APPLICANT COMPLIANCE & WORKSHEETS (check box if worksheets are included)

SHV-1C Certificate of Compliance. Required on plans. MECH-1C Certificate of Compliance. Required on plans.

LTO-1C Certificate of Compliance. Required on plans. MECH-2C Air/Water Side-Service Hot Water & Pool Requirements.

LTO-2C Lighting Controls Check Worksheet. MECH-3C Mechanical Ventilation and Restraint.

LTO-3C Indoor Lighting Power Allowance. MECH-4C Mechanical Equipment Details.

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PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 2 of 3) PERF-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30'x150') Date: 12/7/2009

Project Address: Climate Zone 15 Total Cond. Floor Area 4,800 Addition Floor Area n/a

ANNUAL TDV ENERGY USE SUMMARY (Last year - Proposed)

Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	2.89	0.22	-3.99
Space Cooling	228.57	24.02	-156
Indoor Fans	30.54	58.75	+3.91
Heat Rejection	0.00	0.00	0.00
Pumps & Misc.	0.00	0.00	0.00
Domestic Hot Water	97.70	101.49	+3.79
Lighting	53.95	49.87	-37.96
Receptacle	54.10	54.10	0.00
Process	0.00	0.00	0.00
Process Lighting	0.00	0.00	27.24
TOTALS	554.70	337.46	-48.8%

Percent better than Standard: 48.8% (-48.8% excluding process)

BUILDING COMPLIES

Building Orientation: (N) 0 deg Conditioned Floor Area: 4,800 sqft

Number of Stories: 1 Unconditioned Floor Area: 0 sqft

Number of Systems: 5 Conditioned Footprint Area: 4,800 sqft

Number of Zones: 5 Natural Gas Available On Site (No Natural Gas Available)

Orientation Gross Area Glazing Area Glazing Ratio

Elevation	Orientation	Gross Area	Glazing Area	Glazing Ratio
Front Elevation	(N)	2,190	5,174	53.3%
Left Elevation	(E)	2,190	273	10.1%
Rear Elevation	(S)	2,190	273	10.1%
Right Elevation	(W)	273	0	0.0%
Total		4,949	1,220	26.8%
Roof		4,800	0	0.0%

Lighting Power Density

Standard	Weight	Proposed	Weight
1.200	0.670	0.670	0.670
367,623	367,623	367,623	367,623

Remarks:

Baseline Pre-Check 30' x 150' Classroom Module

Revised Code: Floor to Ceiling: R-30 Metal Framed Roof

R-19 Metal Framed Walls

12-42 Light Fixtures @ 114 watts each w/ Occupancy Sensor

Down Plane Low E Windows UWO 780 SHVCH-430

20' Ceiling Storage Type not Newer

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PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 3 of 3) PERF-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30'x150') Date: 12/7/2009

Project Address: Climate Zone 15 Total Cond. Floor Area 4,800 Addition Floor Area n/a

ZONE INFORMATION

System Name	Zone Name	Occupancy Type	Floor Area (sqft)	Int. LPD (W/sqft)	Chg. Credit (W/sqft)	Allowed LPD (W/sqft)	Proc. Loads (W/sqft)
Basel CH-451-A (Right)	Gen 7 Modular Classroom	Classroom, Lecture, Training	960	0.838	0.158		
Basel CH-451-A (Middle)	Gen 7 Modular Classroom	Classroom, Lecture, Training	960	0.838	0.158		
Basel CH-451-A (Left)	Gen 7 Modular Classroom	Classroom, Lecture, Training	960	0.838	0.158		

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justifications or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

The HVAC System Basel Code Climate 2 CH-451 A Premium Efficiency 0.79 BHP Supply Fan Motor has been specified.

Authorized Signature or Stamp

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CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30'x150') Date: 12/7/2009

Project Address: Climate Zone 15 Total Cond. Floor Area 4,800 Addition Floor Area 4,800

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room

Schools (Public School) Reconfigurable Public School Conditioned Spaces Unconditioned Spaces

Phase of Construction: New Construction Addition Alteration

Approach of Compliance: Component Overall Envelope Unconditioned (file affidavit)

Front Orientation: N, E, S, W or In Degree: 0 deg

FIELD INSPECTION ENERGY CHECKLIST

TagID	Assembly Frame Type	Surface Area (sqft)	Orientation (N, E, S, W)	U-Value	Shading	Condition
1	Wall Metal Framed	273	(N)	R-19	0.0	New
2	Wall Concrete Raised	43	(S)	R-13	0.0	New
3	Wall Metal Framed	335	(S)	R-19	0.0	New
4	Wall Metal Framed	273	(S)	R-19	0.0	New
5	Floor Concrete Raised	960	(S)	R-30	0.0	New
6	Floor Concrete Raised	273	(N)	R-19	0.0	New

Penetration Surface Details

TagID	Penetration Type	Surface Area (sqft)	Orientation (N, E, S, W)	U-Value	Shading	Condition
1	Window	80	(N)	0.290	COG	New
2	Window	115	(N)	0.290	COG	New
3	Window	82	(N)	0.290	COG	New
4	Window	85	(N)	1.190	Default	New
5	Window	43	(S)	0.290	COG	New
6	Window	80	(S)	0.290	COG	New
7	Window	115	(S)	0.290	COG	New
8	Window	43	(S)	0.290	COG	New

1. Indicate the identifying name of the frame type (i.e. Wall - Ceiling - Roof - Floor - 1).

2. Indicate type of construction Type such as Wood Sill or LW CMU Sill. For additional other assembly types see Reference Joint Appendix, J4-1.

3. If lighting is checked refer to ENV-2C Mass and Furnishings Construction worksheet.

4. Indicate Status of Installation (New, Existing or Upgraded).

5. Indicate Special Feature on Page 2 of the Inspection Checklist Form below.

6. If Fail, then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

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CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30'x150') Date: 12/7/2009

Project Address: Climate Zone 15 Total Cond. Floor Area 4,800 Addition Floor Area 4,800

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room

Schools (Public School) Reconfigurable Public School Conditioned Spaces Unconditioned Spaces

Phase of Construction: New Construction Addition Alteration

Approach of Compliance: Component Overall Envelope Unconditioned (file affidavit)

Front Orientation: N, E, S, W or In Degree: 0 deg

FIELD INSPECTION ENERGY CHECKLIST

TagID	Assembly Frame Type	Surface Area (sqft)	Orientation (N, E, S, W)	U-Value	Shading	Condition
9	Window	80	(N)	0.290	COG	New
10	Window	115	(N)	0.290	COG	New
11	Window	82	(N)	0.290	COG	New
12	Window	85	(N)	1.190	Default	New
13	Window	115	(N)	0.290	COG	New
14	Window	43	(S)	0.290	COG	New
15	Window	80	(S)	0.290	COG	New
16	Window	115	(S)	0.290	COG	New

Penetration Surface Details

TagID	Penetration Type	Surface Area (sqft)	Orientation (N, E, S, W)	U-Value	Shading	Condition
9	Window	80	(N)	0.290	COG	New
10	Window	115	(N)	0.290	COG	New
11	Window	82	(N)	0.290	COG	New
12	Window	85	(N)	1.190	Default	New
13	Window	115	(N)	0.290	COG	New
14	Window	43	(S)	0.290	COG	New
15	Window	80	(S)	0.290	COG	New
16	Window	115	(S)	0.290	COG	New

1. Indicate the identifying name of the frame type (i.e. Wall - Ceiling - Roof - Floor - 1).

2. Indicate type of construction Type such as Wood Sill or LW CMU Sill. For additional other assembly types see Reference Joint Appendix, J4-1.

3. If lighting is checked refer to ENV-2C Mass and Furnishings Construction worksheet.

4. Indicate Status of Installation (New, Existing or Upgraded).

5. Indicate Special Feature on Page 2 of the Inspection Checklist Form below.

6. If Fail, then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

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CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30'x150') Date: 12/7/2009

Project Address: Climate Zone 15 Total Cond. Floor Area 4,800 Addition Floor Area 4,800

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room

Schools (Public School) Reconfigurable Public School Conditioned Spaces Unconditioned Spaces

Phase of Construction: New Construction Addition Alteration

Approach of Compliance: Component Overall Envelope Unconditioned (file affidavit)

Front Orientation: N, E, S, W or In Degree: 0 deg

FIELD INSPECTION ENERGY CHECKLIST

TagID	Assembly Frame Type	Surface Area (sqft)	Orientation (N, E, S, W)	U-Value	Shading	Condition
17	Window	43	(S)	0.290	COG	New

Penetration Surface Details

TagID	Penetration Type	Surface Area (sqft)	Orientation (N, E, S, W)	U-Value	Shading	Condition
17	Window	43	(S)	0.290	COG	New

1. Indicate the identifying name of the frame type (i.e. Wall - Ceiling - Roof - Floor - 1).

2. Indicate type of construction Type such as Wood Sill or LW CMU Sill. For additional other assembly types see Reference Joint Appendix, J4-1.

3. If lighting is checked refer to ENV-2C Mass and Furnishings Construction worksheet.

4. Indicate Status of Installation (New, Existing or Upgraded).

5. Indicate Special Feature on Page 2 of the Inspection Checklist Form below.

6. If Fail, then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

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CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 3) ENV-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30'x150') Date: 12/7/2009

Project Address: Climate Zone 15 Total Cond. Floor Area 4,800 Addition Floor Area 4,800

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room

Schools (Public School) Reconfigurable Public School Conditioned Spaces Unconditioned Spaces

Phase of Construction: New Construction Addition Alteration

Approach of Compliance: Component Overall Envelope Unconditioned (file affidavit)

Front Orientation: N, E, S, W or In Degree: 0 deg

FIELD INSPECTION ENERGY CHECKLIST

TagID	Assembly Frame Type	Surface Area (sqft)	Orientation (N, E, S, W)	U-Value	Shading	Condition
18	Window	80	(N)	0.290	COG	New
19	Window	115	(N)	0.290	COG	New
20	Window	82	(N)	0.290	COG	New
21	Window	85	(N)	1.190	Default	New
22	Window	115	(N)	0.290	COG	New
23	Window	43	(S)	0.290	COG	New
24	Window	80	(S)	0.290	COG	New
25	Window	115	(S)	0.290	COG	New
26	Window	43	(S)	0.290	COG	New

Penetration Surface Details

TagID	Penetration Type	Surface Area (sqft)	Orientation (N, E, S, W)	U-Value	Shading	Condition
18	Window	80	(N)	0.290	COG	New
19	Window	115	(N)	0.290	COG	New
20	Window	82	(N)	0.290	COG	New
21	Window	85	(N)	1.190	Default	New
22	Window	115	(N)	0.290	COG	New
23	Window	43	(S)	0.290	COG	New
24	Window	80	(S)	0.290	COG	New
25	Window	115	(S)	0.290	COG	New
26	Window	43	(S)	0.290	COG	New

1. Indicate the identifying name of the frame type (i.e. Window #).

2. Indicate type of construction Type such as Window, Glass Door, Curtain wall, Skylight, or other.

3. If lighting is checked refer to ENV-2C Mass and Furnishings Construction worksheet.

4. Indicate Status of Installation (New, Existing or Upgraded).

5. Indicate Special Feature on Page 2 of the Inspection Checklist Form below.

6. If Fail, then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

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CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 2 of 3) ENV-1C

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30'x150') Date: 12/7/2009

Project Address: Climate Zone 15 Total Cond. Floor Area 4,800 Addition Floor Area 4,800

ROOFING PRODUCT (COOL ROOFS)

(Note: If the roofing product is not CRRC certified, this compliance approach cannot be used. Go to Overall Envelope Approach or Performance Approach.)

CHECK APPLICABLE BOX BELOW OR EXEMPT FROM THE ROOFING PRODUCT "COOL ROOFS" REQUIREMENTS:

Roofing compliance as required in Climate Zones 1 and 2 with a Low-Sloped, 2:12 pitch or less.

Roofing compliance as required in Climate Zones 1 with a Steep-Sloped with less than 5:12". Greater than 2:12 pitch.

Low-sloped Wood framed roofs in Climate Zones 3 and 4 are exempt. Solar reflectance and thermal emittance or SHV that have a U-value of 0.08 or lower, and Coefficient of Solar Absorption (CSA) of 0.15 or lower.

The roof area covered by building integrated photovoltaic panels and building integrated solar thermal panels are exempt. Solar reflectance and thermal emittance or SHV are specified on the manufacturer's website.

Roof structures that have thermal mass over the roof membrane with a least 25 dB are exempt from the above-listed cooling criteria.

High-rise residential buildings and hotels and motels with low-sloped roofs in Climate Zones 1 through 9, 12 and 18 are exempt from the above-listed cooling criteria.

1. If Fail, then describe on this page of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

CRRC Product ID Number can be obtained from the Cool Roof Rating Council's Rated Product Directory at www.coolroofs.com/crcrc/products.

2. If the Agpt Reference is not available in the Cool Roof Rating Council's Rated Product Directory then use the Initial Reflectance value from the same directory and use the equation (R_{eff} = 0.09 + 0.01 * Agpt) to obtain a calculated Agpt value. Where R is the Initial Solar Reflectance from the Cool Roof Rating Council's Rated Product Directory.

3. Check the Agpt Reference is calculated value using the equation above.

4. Indicate Special Feature on Page 2 of the Inspection Checklist Form below.

5. The SHV value needs to be calculated from a spreadsheet calculator at <http://www.energy.ca.gov/SHV>.

6. If Fail, then describe on this page of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

7. To apply Liquid Reflective Coatings, the coating must be applied across the entire roof surface and meet the dry film thickness or coverage recommended by the coating manufacturer and meet minimum performance requirements listed in §11810.4. Select the applicable coating:

Aluminum-Pigmented Asphalt Roof Coating Cement-Based Roof Coating Other

SPECIAL FEATURES INSPECTION CHECKLIST

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Discrepancies:

EnergyPro 5.0 by EnergySoft User Number: 5288 RunCode: 2009-12-07T18:37:32 ID: 090505.00 Page 10 of 31

REVISIONS

NO	DATE	DESCRIPTION

DATE: 11/01/09

SCALE: NOTED

DRAWN BY:

SERIAL NO.:

CUSTOMER:

30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS ENERGY COMPLIANCE FORMS

AMS
American Modular Systems Inc.
787 Sprackles Ave, Manteca, CA 95236
(209) 825-1921 Fax (209) 825-7018
ams@ammodular.com

APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
FILE # 2009-11-0964
DATE: 12/09/2009

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVAL # 13828
FILE # 2009-11-0964
DATE: JUL 08 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-110964
AC: FLS SS
DATE: 12/9/09

T24-3

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 3 of 3) **ENV-1C**

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30*150) Date: 12/7/2009

Required Acceptance Tests

Designer: This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for Envelope Fenestrations system. The designer is required to check the acceptance tests and list all the fenestration products that require an acceptance test. If all the site-built fenestration of a certain type requires a test, list the different fenestration products and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency: Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or whenever new fenestration is installed in the building or space shall be certified as meeting the Acceptance Requirements. The ENV-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance form shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the ENV-2A for each different fenestration product line must be provided to the owner of the building for their records.

Test Description	Test Performed By:
Fenestration Products Name or ID Requiring Testing or Verification	Area of like Products
Single Glazed Floor to Ceiling Glass Curtain Wall	4,600
Single Glazed Floor to Ceiling Glass Curtain Wall	4,600

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CERTIFICATE OF COMPLIANCE (Part 1 of 3) **LTG-1C**

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30*150) Date: 12/7/2009

INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Installation Certificate, LTG-1-IBET (Please a copy and verify form is completed and signed) Field Inspector

Acceptance Certificate, LTG-2A (Please a copy and verify form is completed and signed) Field Inspector

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces Installed Lighting Power listed on this Lighting Schedule is only for:

CONDITIONED SPACE UNCONDITIONED SPACE

The actual indoor lighting power listed below includes all installed permanent and portable lighting systems in accordance with §146(a).

Only for offices: Up to the first 0.2 watts per square foot of portable lighting shall not be required to be included in the calculation of actual indoor lighting power density in accordance with the Exception to §146(a). All portable lighting in excess of 0.2 watts per square foot is included below.

Luminaire (Type, Lamp, Ballast)	Installed Watts	Watts per sq. ft.
None		
Complete Luminaire Description ¹ (e.g. 3 lamp fluorescent, 100W, 4' x 8' ballast, electronic ballast)		
3-28 (3) 4' x 8' Fluorescent T8 Rapid Start 80W	80	0.02

Installed Watts Page Total: 80
Installed Watts Building Total (Sum of all pages): 80

Building total number of pages: 1

Enter into LTG-1C Page 4 of 4

1. Watts shall be determined according to Section 130 (2) and (4). Watts shall be rating of light fixture, not rating of bulb.
2. If full fixture description on Page 1 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

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CERTIFICATE OF COMPLIANCE (Part 2 of 3) **LTG-1C**

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30*150) Date: 12/7/2009

MANDATORY LIGHTING CONTROLS - FIELD INSPECTION ENERGY CHECKLIST

Fill in controls for all spaces: a) area controls, b) multi-level controls, c) manual daylighting controls for daylight areas > 250 sq. ft., automatic daylighting controls for daylight areas > 2,500 sq. ft., d) shut-off controls, e) display lighting controls, f) balanced lighting controls - general lighting controlled separately from display, ornamental and display case lighting and g) demand responsive automatic controls for retail stores > 50,000 sq. ft. in accordance with Section 131.

Type/Description	Number of Units	Location in Building	Special Features	Pass	Fail

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of LTG-1C)

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Field Inspector's Notes or Discrepancies:

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CERTIFICATE OF COMPLIANCE (Part 3 of 3) **LTG-1C**

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30*150) Date: 12/7/2009

CONDITIONED AND UNCONDITIONED SPACE LIGHTING MUST NOT BE COMBINED FOR COMPLIANCE

Indoor Lighting Power for Conditioned Spaces	Watts	Indoor Lighting Power for Unconditioned Spaces	Watts
Installed Lighting (from Conditioned LTG-1C, Page 2)	4,000	Installed Lighting (from Unconditioned LTG-1C, Page 2)	0
Lighting Control Credit (Conditioned Spaces from LTG-2C)	804	Lighting Control Credit (Unconditioned Spaces from LTG-2C)	0
Adjusted Installed Lighting Power	3,216	Adjusted Installed Lighting Power	0

Complies if Installed < Allowed: Complies if Installed < Allowed:

Allowed Lighting Power Conditioned Spaces (from LTG-2C or PERP-1): 3,216 Allowed Lighting Power Unconditioned Spaces (from LTG-2C): 0

Required Acceptance Tests

Designer: This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system, LTG-2A. The designer is required to check the acceptance tests and let all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a test, list the different lighting and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms shall be grouped by type of Luminaire controlled.

Enforcement Agency: Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The LTG-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance form shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the LTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Equipment Requiring Testing	Description	Number of Luminaires	Location	Controls and Sensors and Automatic Daylighting Controls Acceptance
Occ Sensor - <= 250 sqft	(3) 4' x 8' Fluorescent T8 Rapid Start 80W	12	Gen 7 Modular Classroom	<input type="checkbox"/>
Occ Sensor - <= 250 sqft	(3) 4' x 8' Fluorescent T8 Rapid Start 80W	12	Gen 7 Modular Classroom	<input type="checkbox"/>
Occ Sensor - <= 250 sqft	(3) 4' x 8' Fluorescent T8 Rapid Start 80W	12	Gen 7 Modular Classroom	<input type="checkbox"/>
Occ Sensor - <= 250 sqft	(3) 4' x 8' Fluorescent T8 Rapid Start 80W	12	Gen 7 Modular Classroom	<input type="checkbox"/>
Occ Sensor - <= 250 sqft	(3) 4' x 8' Fluorescent T8 Rapid Start 80W	12	Gen 7 Modular Classroom	<input type="checkbox"/>

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CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 4) **MECH-1C**

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30*150) Date: 12/7/2009

Project Address: Climate Zone: 15 Total Cond. Floor Area: 4,600 Addition Floor Area: 4,600

GENERAL INFORMATION

Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room Schools (Public School) Releasable Public School Bldg. Conditioned Spaces Unconditioned Spaces (Attic/Dr)

Phase of Construction: New Construction Addition Alteration

Approach of Compliance: Component Overall Envelope TDV Energy Unconditioned (file affidavit) Energy

Front Orientation: N, E, S, W or in Degree: 0 deg

HVAC SYSTEM DETAILS

Equipment ¹	Inspection Criteria	FIELD INSPECTION ENERGY CHECKLIST
Item or System Type (e.g. AC-1, RTU-1, HP-1)	DHW Heater	<input type="checkbox"/>
Equipment Type ²	Electric Res DHW Boiler	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>
Max Allowed Heating Capacity	13,358 Btu/hr	<input type="checkbox"/>
Minimum Heating Efficiency	0.91 EER	<input type="checkbox"/>
Max Allowed Cooling Capacity	n/a	<input type="checkbox"/>
Cooling Efficiency	n/a	<input type="checkbox"/>
Duct Location R-Value	n/a	<input type="checkbox"/>
Duct Leakage Testing - If Yes, a MECH-4A must be submitted	n/a	<input type="checkbox"/>
Economizer	n/a	<input type="checkbox"/>
Thermostat	n/a	<input type="checkbox"/>
Fan Control	n/a	<input type="checkbox"/>

FIELD INSPECTION ENERGY CHECKLIST

Equipment ¹	Inspection Criteria	FIELD INSPECTION ENERGY CHECKLIST
Item or System Type (e.g. AC-1, RTU-1, HP-1)	Bard CH-451-A (Right)	<input type="checkbox"/>
Equipment Type ²	Room PTAC	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>
Max Allowed Heating Capacity	41,000 Btu/hr	<input type="checkbox"/>
Minimum Heating Efficiency	3.25 COP	<input type="checkbox"/>
Max Allowed Cooling Capacity	45,030 Btu/hr	<input type="checkbox"/>
Cooling Efficiency	10.7 EER	<input type="checkbox"/>
Duct Location R-Value	n/a	<input type="checkbox"/>
Duct Leakage Testing - If Yes, a MECH-4A must be submitted	No	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>
Thermostat	No Setback Required	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>

1. Include special features DETAILS on Page 2 of the Inspection Checklist Form.
2. If the Actual installed equipment performance efficiency and capacity is less than the Proposed (from the energy compliance submittal or from the building plans) the responsible party shall resubmit energy compliance to include the new changes.
3. For additional detailed description use Page 2 of the Inspection Checklist Form.
4. Include Equipment Type: Gas (Ftg or SpH), VAV, HP (Pkg or Rpt), Hydronic, PTAC, or other.

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LIGHTING CONTROLS CREDIT WORKSHEET (Part 1 of 2) **LTG-2C**

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30*150) Date: 12/7/2009

POWER ADJUSTMENT FACTORS (PAF) FOR NON-DAYLIGHT CONTROLS

A Separate PAF Worksheet Must Be Filled Out for Conditioned and Unconditioned Spaces. Control Credits listed on this schedule are only for:

CONDITIONED SPACES UNCONDITIONED SPACES

Room or Zone ID	Lighting Control Description ¹	Plan Reference	Room Area (sq. ft.)	Watts of Control	Power Adjustment Factor	Control Credit (Watts) (E.F.)
Gen 7 Modular Clm	Occ Sensor - <= 250 sqft	3-28	800	804	0.20	161
Gen 7 Modular Clm	Occ Sensor - <= 250 sqft	3-28	800	804	0.20	161
Gen 7 Modular Clm	Occ Sensor - <= 250 sqft	3-28	800	804	0.20	161
Gen 7 Modular Clm	Occ Sensor - <= 250 sqft	3-28	800	804	0.20	161
Gen 7 Modular Clm	Occ Sensor - <= 250 sqft	3-28	800	804	0.20	161

Note: (Conditioned and Unconditioned) Building total of non-daylight control credit watts for all pages of LTG-2C Page 1 of 2: 804
BUILDING TOTAL OF ALL CONTROL CREDIT WATTS (FOR BOTH NON-DAYLIGHT AND DAYLIGHT CONTROL CREDITS) Enter in LTG-1C, Page 4: Lighting Control Credit as appropriate for UNCONDITIONED Spaces: 804

1. Description shall be consistent with Type of Control defined in Table 146-C
2. Power Adjustment Factor taken from Table 146-D

EnergyPro 5.0 by EnergySoft User Number: 5286 RunCode: 2009-12-07T16:37:32 ID: 092605.00 Page 17 of 31

AIR SYSTEM REQUIREMENTS (Part 1 of 2) **MECH-2C**

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30*150) Date: 12/7/2009

Indicate Air System Type (Central, Single Zone, Package, VAV, or etc.)

Item or System Type (e.g. AC-1, RTU-1, HP-1)	Bard CH-451-A (Rpt)	Bard CH-451-A (Modle)	Bard CH-451-A (Modle)
Number of Systems	1	1	1

MANDATORY MEASURES

Item or System Type	146(a) & (b)	146(a) & (b)	146(a) & (b)
Heating Equipment Efficiency	112(a) 3.25 COP	3.25 COP	3.25 COP
Cooling Equipment Efficiency	112(a) 10.7 EER	10.7 EER	10.7 EER
HVAC Heat Pump Thermostat	112(b), 112(c) Yes	Yes	Yes
Furnace Control/Thermostat	112(b), 112(c) n/a	n/a	n/a
Natural Ventilation	121(b) n/a	n/a	n/a
Mechanical Ventilation	121(b) 372 cfm	372 cfm	372 cfm
VAV Minimum Position Control	121(c) No	No	No
Demand Control Ventilation	121(c) No	No	No
Time Control	122(a) Programmable Switch	Programmable Switch	Programmable Switch
Setback and Setpoint Control	122(a) No Setback Required	No Setback Required	No Setback Required
Outdoor Damper Control	122(b) Auto	Auto	Auto
Isolation Zones	122(b) n/a	n/a	n/a
Pipe Insulation	123 123	123	123
Duct Insulation	124 n/a	n/a	n/a

PRESCRIPTIVE MEASURES

Item or System Type	146(a) & (b)	146(a) & (b)	146(a) & (b)
Calculated Design Heating Load	144(a) & (b) n/a	n/a	n/a
Proposed Heating Capacity	144(a) & (b) 56,224 Btu/hr	56,224 Btu/hr	56,224 Btu/hr
Calculated Design Cooling Load	144(a) & (b) n/a	n/a	n/a
Proposed Cooling Capacity	144(a) & (b) 40,491 Btu/hr	40,491 Btu/hr	40,491 Btu/hr
Fan Control	144(c) Constant Volume	Constant Volume	Constant Volume
DP Sensor Location	144(d) n/a	n/a	n/a
Supply Pressure Reset (ODO only)	144(e) Yes	Yes	Yes
Simultaneous Heat/Cool	144(f) No	No	No
Economizer	144(g) No Economizer	No Economizer	No Economizer
Heat and Cool Air Supply Reset (Static Resistance Heating)	144(h) Constant Temp	Constant Temp	Constant Temp
Air Cooled Chiller Limitation	144(i) Constant Temp	Constant Temp	Constant Temp
Duct Leakage Sealing, If Yes, a MECH-4A must be submitted	144(j) No	No	No

1. Total installed capacity (MBtu/hr) of all electric heat on this project exclusive of electric auxiliary heat for heat pumps. If electric heat is used explain which exception(s) to §146(a) apply.

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AIR SYSTEM REQUIREMENTS (Part 2 of 2) **MECH-2C**

Project Name: AMS Gen 7 Classroom PreCheck Bldg (30*150) Date: 12/7/2009

Indicate Air System Type (Central, Single Zone, Package, VAV, or etc.)

Item or System Type (e.g. AC-1, RTU-1, HP-1)	Bard CH-451-A (Modle)	Bard CH-451-A (Modle)
Number of Systems	1	1

MANDATORY MEASURES

Item or System Type	146(a) & (b)	146(a) & (b)	146(a) & (b)
Heating Equipment Efficiency	112(a) 3.25 COP	3.25 COP	3.25 COP
Cooling Equipment Efficiency	112(a) 10.7 EER	10.7 EER	10.7 EER
HVAC Heat Pump Thermostat	112(b), 112(c) Yes	Yes	Yes
Furnace Control/Thermostat	112(b), 112(c) n/a	n/a	n/a
Natural Ventilation	121(b) n/a	n/a	n/a
Mechanical Ventilation	121(b) 372 cfm	372 cfm	372 cfm
VAV Minimum Position Control	121(c) No	No	No
Demand Control Ventilation	121(c) No	No	No
Time Control	122(a) Programmable Switch	Programmable Switch	Programmable Switch
Setback and Setpoint Control	122(a) No Setback Required	No Setback Required	No Setback Required
Outdoor Damper Control	122(b) Auto	Auto	Auto
Isolation Zones	122(b) n/a	n/a	n/a
Pipe Insulation	123 123	123	123
Duct Insulation	124 n/a	n/a	n/a

PRESCRIPTIVE MEASURES

Item or System Type	146(a) & (b)	146(a) & (b)	146(a) & (b)
Calculated Design Heating Load	144(a) & (b) n/a	n/a	n/a
Proposed Heating Capacity	144(a) & (b) 56,224 Btu/hr	56,224 Btu/hr	56,224 Btu/hr
Calculated Design Cooling Load	144(a) & (b) n/a	n/a	n/a
Proposed Cooling Capacity	144(a) & (b) 40,491 Btu/hr	40,491 Btu/hr	40,491 Btu/hr
Fan Control	144(c) Constant Volume	Constant Volume	Constant Volume
DP Sensor Location	144(d) n/a	n/a	n/a
Supply Pressure Reset (ODO only)	144(e) Yes	Yes	Yes
Simultaneous Heat/Cool	144(f) No	No	No
Economizer	144(g) No Economizer	No Economizer	No Economizer
Heat and Cool Air Supply Reset (Static Resistance Heating)	144(h) Constant Temp	Constant Temp	Constant Temp
Air Cooled Chiller Limitation	144(i) Constant Temp	Constant Temp	Constant Temp
Duct Leakage Sealing, If Yes, a MECH-4A must be submitted	144(j) No	No	No

1. Total installed capacity (MBtu/hr) of all electric heat on this project exclusive of electric auxiliary heat for heat pumps. If electric heat is used explain which exception(s) to §146(a) apply.

EnergyPro 5.0 by EnergySoft User Number: 5286 RunCode: 2009-12-07T16:37:32 ID: 092605.00 Page 23 of 31

REVISIONS

NO	DATE	DESCRIPTION

DATE: 11/01/09
SCALE: NOTED
DRAWN BY:
SERIAL NO.:

CUSTOMER:

30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
ENERGY COMPLIANCE FORMS

APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

DSA APP# 02-10964
FILE # 30-2-116-1000
DATE: 12/09/2009

AMERICAN MODULAR SYSTEMS, INC.
787 Sprackelle Ave., Manteca, CA 95236
(209) 935-1921 Fax: (209) 935-7018
americanmodular.com

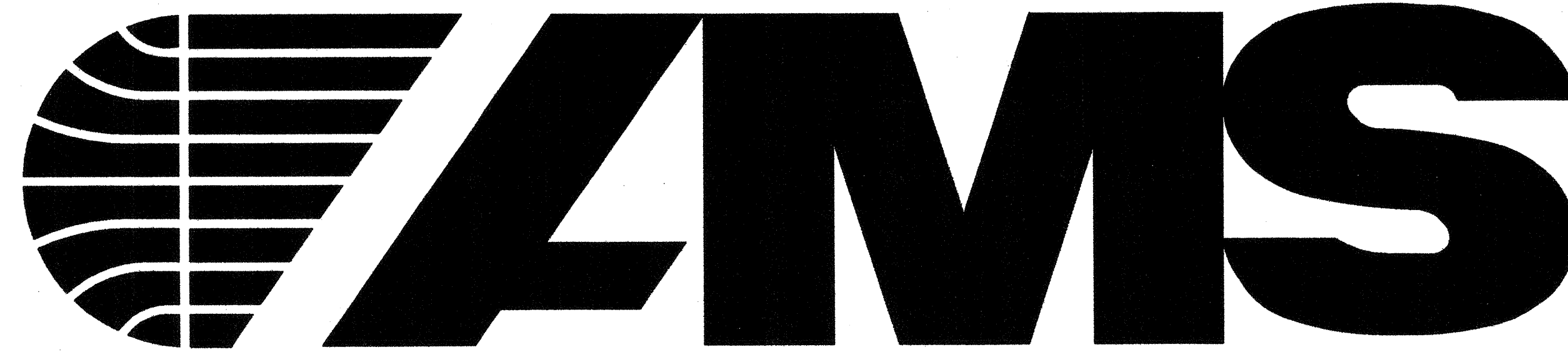
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP# 113828
AC/FLS/ST/SS
DATE: JUL 08 2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

PC 02-110964
AC/FLS/ST/SS
DATE: 12/9/09

PROJECT NO.
T24-4



American Modular Systems Inc.

GLENDALE UNIFIED SCHOOL DISTRICT KEPPEL ELEMENTARY SCHOOL

(1) 120'x40' AND (1) 72'x40' 2 STORY MODULAR BUILDINGS

MODULAR STEEL MOMENT FRAME TEST & INSPECTION GUIDELINE

A SEPARATE TEST AND INSPECTION LIST IS TO BE SUBMITTED AS PART OF THE APPROVAL PROCESS.
THIS GUIDE DOES NOT REPLACE THE TEST AND INSPECTION LIST

TYPE OF MODULAR STEEL MOMENT FRAME BUILDING PROJECT (X - INDICATES TEST OR INSPECTION TO BE DONE)

TESTS and INSPECTIONS	MATERIAL TYPE	DESCRIPTION	STOCKPILE		CONSTRUCTION OF (diaphragm material/foundation material)		RELOCATION OF CERTIFIED BUILDING	
			Wood Floor Only	Concrete Floors	Plywood Floor Only - Wood Foundation	Concrete Floor - Concrete Foundation	Wood Foundation	Concrete Foundation
COMPACTED FILL (Two Story Relocatable)	By Geotech	Fill Materials Proper fill materials, fill thickness, placement and compaction during placement. Continuously Connection test only as ordered			X	X		X
CONCRETE	BY FIELD OVERDECK	Value of Slab/Plant Inspection See Note 1 for conditions and requirements Inspect Slab/Plant over Steel Deck by RSP Slump Test, determine Temperature of Concrete See Note 2 for additional test Compression Tests	X			X		X
FOUNDATION	BY FIELD OVERDECK	Mix Design Value of Slab/Plant Inspection See Note 1 for conditions and requirements Inspect Slab/Plant over Steel Deck by RSP Slump Test, determine Temperature of Concrete See Note 2 for additional test Compression Tests			X	X		X
REINFORCING STEEL	BY OWNER	Sample and Test for Steel - AS & Larger Inspect Slab/Plant at Project Site - by Project Inspector			X	X		X
STRUCTURAL STEEL	BY OWNER	Mfr. Certified Mill Test Reports Shop Fabrication Inspection of Welds - Shop Inspection of Welds - Field See Note 3 Sample and Test all Unstiffened Structural Steel and Blue Deck Examine seam welds of structural tubes and plates Electrical grounding	X	X	X	X		X
SHOT PINS	BY OWNER	Coating wire hangers	X	X	X	X		
EXPANSION ANCHORS	BY OWNER	See Note 4			X	X		
INSPECTOR CLASS (minimum requirements)			RBP or Class 1		In Plant (RBP or Class 1) Site Class 4 for Single Story Site Class 3 for Two-Story		Class 4 for Single Story Class 2 for Two-Story	
SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY			By the Owner and approved by DBA, A/E of Record and Structural Engineer		By the School District and approved by DBA, A/E of Record and Structural Engineer			
COST OF THE PROJECT INSPECTOR (CA Admin Code 43330) AND TESTING AGENCY (CA Admin Code 4335)			By the Owner		By the School District			
COPIES OF THE REPORT TO:			DBA (Original) I/O/R/P Manufacturer Architect School District I/O/R/P		Structural Engineer DBA (Original) Manufacturer			

ITEMS IN RED FONT COLOR ARE USER NOTES AND INDICATE ITEMS THAT NEED TO BE VERIFIED FOR EACH SPECIFIC PC.
THE NOTES IN RED ABOVE AND BELOW ARE TO BE REMOVED PRIOR TO PLACING THE GUIDELINE ON THE DRAWINGS

- Note 1: Verify that either Condition a or b are met:
a) Concrete Plant complies fully with ASTM C94, Section 8 and 9, and has a current certification indicating the plant has automatic batching and recording capabilities from the National Ready Mixed Concrete Association
b) Compressive strength: 3000 psi (Specified) - 2500 psi (Design)
Requirements c thru f are met:
c) Inspector to check that batching at start of work and furnish mix proportions to licensed weighmaster
d) Licensed Weighmaster to positively identify materials as to quantity and certify each load by a ticket
e) Tickets transmitted to Inspector of Record
f) Submit Weighmaster Affidavit
- Note 2: Air Content Test as required based on site location for cold weather conditions
Note 3: Required where the details of the PC specify a Welding
Note 4: Required where the details of the PC specify the use of this type of anchor

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 02-29-11
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL

120' x 40' AND 72' x 40' 2 STORY BUILDING
COVER SHEET

BUILDING DATA

OCCUPANCY	E
TYPE OF CONSTRUCTION	V-B WITH AN AUTOMATIC FIRE SPRINKLER FOR HEIGHT AND ONE STORY INCREASE
WIND LOAD	V = 85 MPH $K_F = 1.00$ EXPOSURE = C $K_A = 1.35$ W = 1.15
FLOOR LIVE LOAD	FIRST FLOOR 50 PSF+15 PSF SECOND FLOOR 50 PSF+15 PSF
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE) THIS STRUCTURE IS DESIGNED TO SUPPORT A FIRE SPRINKLER SYSTEM
BUILDING AREA	120'x40'=9600 SQ. FT. . 72'x40'=5760 SQ. FT.
CLIMATE ZONES	1-16
MODULES	MOMENT-RESISTANT
SYSTEM	12' x 40' MODULES
FOUNDATION TYPE	CONCRETE
SEISMIC	$S_g = 1.5$ $S_{D1} = 0.075$ $T = 0.38$ $S_1 = 0.75$ $I = 1.25$ Site Class = D $F_a = 1.0$ $R = 3.50$ $F_v = 1.5$ $C_u = 3.00$ Seismic design category = D $S_g = 1.000$ $C_d = 3.000$
ROOF CONSTRUCTION	"B" NOT APPROVED IN W.U.I AREAS

APPLICABLE CODES

- PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008
- 2007 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
 - 2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
 - (2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
 - (2005 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
 - (2006 INTERNATIONAL MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
 - (2006 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
 - 2007 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE PART 7, TITLE 24, C.C.R.
 - 2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
 - (2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
 - (2006 INTERNATIONAL EXISTING BUILDING CODE AND 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA GREEN BUILDING REQUIREMENTS, PART 11, TITLE 24 C.C.R. (PENDING ADOPTION)
 - 2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
 - TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- PARTIAL LIST OF APPLICABLE STANDARDS
- NFPA 13 Automatic Sprinkler Systems 2002 Edition
 - NFPA 14 Standpipe Systems 2007 Edition
 - NFPA 17 Dry Chemical Extinguishing Systems 2002 Edition
 - NFPA 17a Wet Chemical Systems 2002 Edition
 - NFPA 20 Stationary Pumps 2003 Edition
 - NFPA 24 Private Fire Mains 2007 Edition
 - NFPA 72 National Fire Alarm Code (California Amended) 2007 Edition
- (Note See UL Standard 1911 for "Visual Devices")
- NFPA 253 Critical Radiant Flux of Floor Covering Systems 2006 Edition
 - NFPA 2001 Clean Agent Fire Extinguishing Systems 2004 Edition
 - ASME 17.1 Elevator Standard 2004 Edition
- Reference code sections for applicable Standards - 2007 CBC Chapter 35 and 2007 CFC Chapter 45.

GENERAL NOTES

- ELEVATOR AND ELEVATOR STRUCTURE IS NOT PART OF THIS APPROVAL
- FIRE ALARM SYSTEM IS NOT PART OF THIS APPROVAL
- FIRE SPRINKLER SYSTEM IS NOT PART OF THIS APPROVAL
- TV BRACKET IS NOT PART OF THIS APPROVAL
- PC BUILDING EXISTING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
- PC BUILDING LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A.
- SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED BUT NOT INCLUDED IN THIS PC APPROVAL.

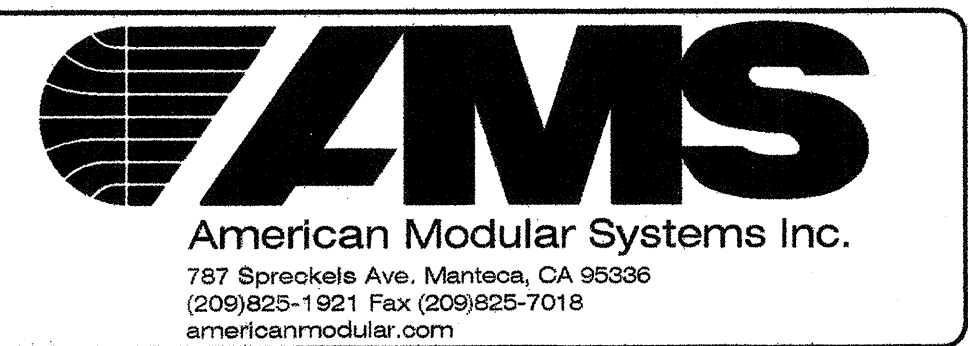
DRAWING INDEX

- T-S COVER SHEET
- A1 TYPICAL GROUND STORY FLOOR PLAN
- A1.1 TYPICAL UPPER STORY FLOOR PLAN
- A1A RESTROOM FLOOR PLAN
- A2 TYPICAL INTERIOR ELEVATIONS
- A3A TYPICAL RESTROOM INTERIOR ELEVATIONS
- A4 TYPICAL EXTERIOR ELEVATIONS
- A5 ARCHITECTURAL DETAILS W/ WOOD STUDS
- A6 ACCESSIBLE DETAILS
- N1 GENERAL NOTES
- N2 GENERAL NOTES
- M1 TYPICAL GROUND STORY REFLECTED CEILING PLAN
- M1.1 TYPICAL UPPER STORY REFLECTED CEILING PLAN
- M2 MECHANICAL BUILDING SECTION & CEILING DETAILS
- M3 CEILING & MECHANICAL NOTES
- E1 TYPICAL GROUND STORY ELECTRICAL PLAN
- E1.1 TYPICAL UPPER STORY ELECTRICAL PLAN
- E2 ELECTRICAL NOTES & DETAILS
- E12 ISOMETRIC PLANS & DETAILS
- S1 TYPICAL FOUNDATION PLAN
- S1.1 STAIR FOUNDATION PLAN
- S2 FOUNDATION DETAILS
- S2A FOUNDATION DETAILS
- S3 LONGITUDINAL FRAME ELEVATION
- S4 TRANSVERSE FRAME ELEVATION
- S5 FRAME CONNECTION DETAILS
- S6 FRAME CONNECTION DETAILS
- S6A PARAPET FRAMING DETAILS
- S7 BUILDING SECTIONS
- S8 TYPICAL FIRST FLOOR - FLOOR FRAMING LAYOUT
- S8A TYPICAL SECOND FLOOR - FLOOR FRAMING LAYOUT
- S9 FLOOR FRAMING PLANS AND DETAILS
- S9A FLOOR FRAMING DETAILS
- S10 TYPICAL FIRST FLOOR - ROOF FRAMING LAYOUT
- S11 TYPICAL SECOND FLOOR - ROOF FRAMING LAYOUT
- S12 ROOF FRAMING PLANS
- S13 ROOF FRAMING DETAILS
- S13A STEEL MEMBERS PROPERTIES
- S14 WALL FRAMING ELEVATIONS W/ WOOD STUDS
- S15 WALL FRAMING DETAILS W/ WOOD STUDS
- S18 STAIR PLAN AND DETAILS
- S18A ALTERNATE STAIR PLAN
- S18B RAILING DETAILS
- S81 BALCONY FLOOR PLAN & DETAILS

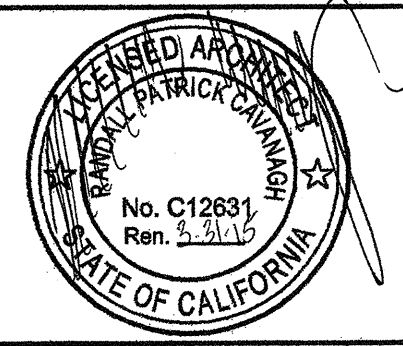
OPTIONS

ROOFING	<input checked="" type="checkbox"/> 3"x20 GA. STANDING SEAM	<input type="checkbox"/> BUILT-UP ROOFING
FLOOR DECK	<input checked="" type="checkbox"/> 3"x18 GA. 3W DECK	<input type="checkbox"/> 3"x18 GA. N-24 DECK
STAIR	<input checked="" type="checkbox"/> w/ UPPER LANDING	<input type="checkbox"/> 5'-0" WIDE STAIRS
	<input type="checkbox"/> 8"x8"	<input checked="" type="checkbox"/> 6'-0" WIDE STAIRS
HVAC	<input type="checkbox"/> INTERIOR FLOOR MOUNTED	<input type="checkbox"/> EXT. ROOF MOUNTED
	<input type="checkbox"/> EXTERIOR WALL MOUNTED (1ST FLOOR)	
WALL STUDS	<input checked="" type="checkbox"/> WOOD	<input type="checkbox"/> LIGHT GAUGE STEEL
PARAPET	<input type="checkbox"/> (3) SIDED	<input checked="" type="checkbox"/> (4) SIDED
SKYWALK	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	<input type="checkbox"/> 1 1/2"x18 GA. B-36 DECK	
	<input type="checkbox"/> 3"x18 GA. N-24 DECK	
	<input type="checkbox"/> 3"x18 GA. 3-W DECK	
FIRST FLR. L.L.	<input type="checkbox"/> 50 PSF	<input checked="" type="checkbox"/> 50 PSF+15 PSF
	<input type="checkbox"/> 150 PSF	
2ND FLR. L.L.	<input type="checkbox"/> 50 PSF	<input checked="" type="checkbox"/> 50 PSF+15 PSF
STAIRS	FLOOR LIVE LOAD : 100 PSF	R = 3.25 $\Omega_0 = 2.00$ $C_d = 3.25$

NOTE: BUILDING IS NOT APPROVED TO HOUSE KINDERGARTEN, FIRST OR SECOND GRADE ABOVE THE FIRST STORY IN CONFORMANCE TO C.B.C 442.4



APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APR 03 11 3 8 2 8
AC 1111
DATE JUL 08 2011

PROJECT No.
T-S

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American Modular Systems Inc.

GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL
(1) 40' x 32' PREFABRICATED BUILDING



DRAWING INDEX

- T-S COVER SHEET
A1 TYPICAL FLOOR PLAN
A3 TYPICAL INTERIOR ELEVATIONS
A5 TYPICAL EXTERIOR ELEVATIONS (SYNTHETIC STUCCO OPTION)
ASA ARCHITECTURAL SYNTHETIC STUCCO DETAILS
AD ACCESSIBLE DETAILS
N1 GENERAL NOTES
N2 GENERAL NOTES
P1 ISOMETRIC PLANS & DETAILS
M1 TYPICAL REFLECTED CEILING PLAN
M2 MECHANICAL BUILDING SECTION AND CEILING DETAILS
M2.1 MECHANICAL DETAILS
M3 CEILING & MECHANICAL NOTES
E1 TYPICAL ELECTRICAL PLAN
E2 ELECTRICAL NOTES & DETAILS
T24-1 ENERGY COMPLIANCE FORMS
T24-2 ENERGY COMPLIANCE FORMS
T24-3 ENERGY COMPLIANCE FORMS
T24-4 ENERGY COMPLIANCE FORMS
S1B CONCRETE FOUNDATION PLAN 150 P.S.F LIVE LOAD W/CONCRETE FLOOR
S1C CONCRETE FOUNDATION DETAILS
S1D CONCRETE FOUNDATION DETAILS
S2A FLOOR FRAMING PLAN & DETAILS (CONCRETE FLOOR)
S3 ROOF FRAMING PLAN & DETAILS (STRAP BRACING)
S3.1 ROOF FRAMING DETAILS
S4 MOMENT RESISTANT FRAME ELEVATIONS
S4A FRAME CONNECTION DETAILS
S4B OVERHANG PLAN AND DETAILS
S5 WALL FRAMING ELEVATIONS WITH WOOD STUDS
S5A WALL FRAMING DETAILS WOOD STUDS
S7 BUILDING SECTIONS

Table with columns: MATERIAL TYPE, DSA-10 Item #, DESCRIPTION, STOCKPILE (A, B, C, D, E, F, G), and RELOCATION OF CERTIFIED BUILDING. Includes rows for SOILS, GENERAL, COMPACTED FILL, CONCRETE, LIGHT WEIGHT FILL OVER METAL DECK, FOUNDATION, POST INSTALLED ANCHORS, STRUCTURAL STEEL, MATERIAL VERIFICATION, VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC., SHOP WELDING, FIELD WELDING, and OTHER - (NON-UNIFORM) DETAILS.

Additional Information for PC designs only, not to be added to DSA-103. Includes table for INSPECTOR CLASS, SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY, and NOTES.

BUILDING DATA table with columns: OCCUPANCY, TYPE OF CONSTRUCTION, WIND DESIGN, FLOOR LIVE LOAD, ROOF LIVE LOAD, FIRE SPRINKLER SYSTEM WEIGHT (PSF), ALLOWABLE SOIL PRESSURE (PSF), FLOOD HAZARD AREA, BUILDING AREA, CLIMATE ZONES, MODULES, SYSTEM, FOUNDATION TYPE, SEISMIC.

APPLICABLE CODES table listing various building codes such as 2007 BUILDING STANDARDS ADMINISTRATIVE CODE, 2007 CALIFORNIA BUILDING CODE (CBC), 2007 CALIFORNIA ELECTRICAL CODE (CEC), etc.

- GENERAL NOTES
1. PC BUILDING CLASSIFIED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CAN NOT BE REVIEWED OVER THE COTC.
2. PC BUILDING APPROVED ONLY FOR OCCUPANCY E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 250.
3. PC BUILDING EXISTING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
4. PC BUILDING IS NOT DESIGNED FOR FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) REQUIRED BY CHAPTER 7A.
5. SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED BUT NOT INCLUDED IN THIS PC APPROVAL.
6. PLANS SHALL BE IN COMPLIANCE WITH CFC CH. 14 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

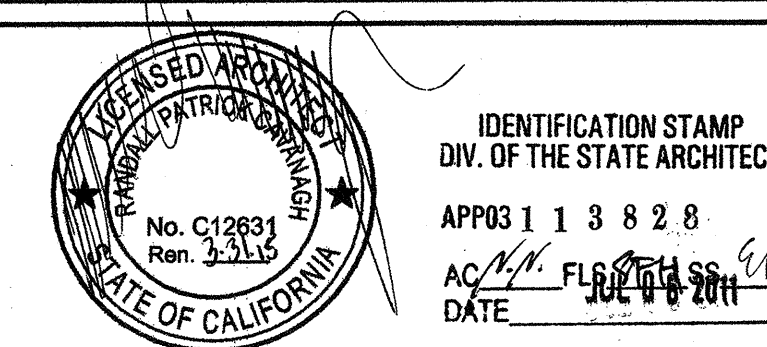
REVISIONS table with columns: NO, DATE, DESCRIPTION.

DATE: 03/08/2011
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER: GLENDALE UNIFIED SCHOOL DISTRICT
KEPPEL ELEMENTARY SCHOOL
30' x 32' THRU 150' x 32' GENERATION 7 PREFABRICATED BUILDINGS
COVER SHEET



APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 1 1 3 8 2 8
AC No. FLB 0114 SS 60
DATE JUL 11 2011
PROJECT No. T-S