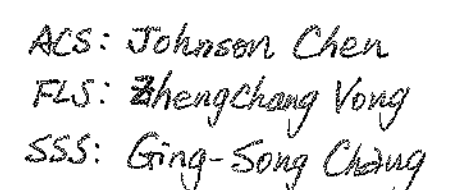


D.S.A. APPLICATION # 02-108739
FILE # 48-CI

These drawings and/or specifications and/or calculations for the items listed, have been prepared by other design professionals or consultants who are licensed and qualified to prepare such drawings in this state. These documents have been examined by me for design intent and have been found to meet the appropriate requirements of the Title 24, California Code of Regulations and the project specifications prepared by me. The items listed or attached 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).

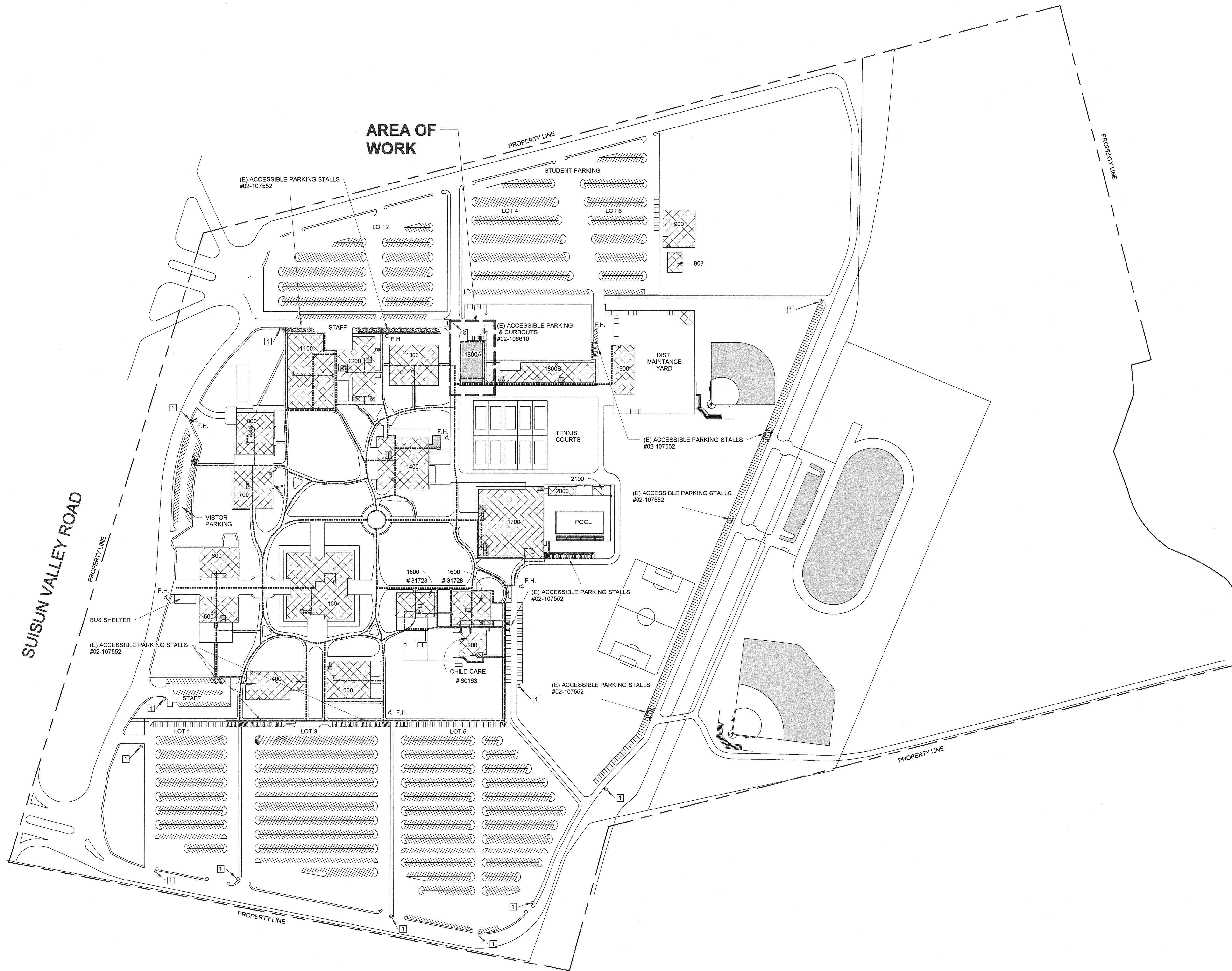
Signature of Architect/Engineer _____ Date _____

Name, Title _____ License No. Exp. Date _____



1. A COPY OF PARTS 1 AND 2, TITLE 24, CALIFORNIA CODE OF REGULATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. ALL CHANGE ORDERS AND ADDENDA TO BE SIGNED BY THE ARCHITECT AND OWNER AND APPROVED BY DSA. CHANGE ORDERS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24.
3. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, AND APPROVED T & SHEET.
4. MATERIAL TESTING PERFORMED BY THE TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
5. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24.
6. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(B) AND 4-342 PART 1, TITLE 24.
7. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
8. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM S88-6) IN ACCORDANCE WITH SECTION 4-338 AND 4-343, PART 1, TITLE 24.
9. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-333(B) AND 4-341, PART 1, TITLE 24.
10. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-340, PART 1, TITLE 24.
11. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE SCHOOL IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT. DISCREPANCIES WHEREIN SPECIFIED WORK WILL NOT COMPLY WITH TITLE 24, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OFFICE OF REGULATION SERVICES (ORS) PRIOR TO PROCEEDING.

T1



1 SOLANO COMMUNITY COLLEGE CAMPUS PLAN
1" = 160'-0"

ACCESSIBLE PATH OF TRAVEL

- ALL PATHS OF TRAVEL SHALL BE ACCESSIBLE FROM ACCESSIBLE PARKING AND PUBLIC WAYS TO ALL BUILDINGS, ACCESSIBLE TOILETS AND PLAYFIELDS.
- ACCESSIBLE SITE ELEMENTS ARE TO COMPLY WITH CHAPTER 11B, 2001 CBC AND ADA REQUIREMENTS.
- (E) ACCESSIBLE PARKING SPACES HAVE BEEN REVIEWED ON SITE AND VERIFIED FOR COMPLIANCE WITH SECTION 1129B, 2001 CBC, AND ADA REQUIREMENTS.
- (E) ACCESSIBLE PATHS TO REMAIN HAVE BEEN REVIEWED ON SITE AND VERIFIED FROM STREET ENTRY AND FROM PARKING TO BUILDING GROUND LEVEL ACCESSIBLE ENTRANCES OF BUILDINGS TO BE MODERNIZED AND ARE IN COMPLIANCE WITH SECTIONS 1127B AND 1133B, 2001 CBC. WORK WHICH ALTERS OR NEW WORK AT ACCESSIBLE PATHS SHALL COMPLY WITH SAME.
- SITE WALKWAYS AS INDICATED ON PLAN SHALL PROVIDE A BARRIER FREE PATH OF TRAVEL FOR PERSONS WITH DISABILITIES. WALK SURFACES SHALL BE CONSTRUCTED TO 48" MINIMUM UNOBSTRUCTED WIDTH WITH SLIP RESISTANT SURFACE PER SECTION 1133B 7, 2001 CBC. CROSS SLOPE SHALL NOT EXCEED 1/4" (2%) NOR EXCEED 5% IN DIRECTION OF TRAVEL. WALK SLOPES EXCEEDING 1:20 SHALL BE CONSTRUCTED TO CONFORM TO RAMP REQUIREMENTS. WALKS WITH A CONTINUOUS GRADIENT SHALL HAVE A 5 FOOT LEVEL AREA EACH 400 FEET. THERE SHALL BE NO ABRUPT CHANGES IN LEVEL OVER 1/4" OR 12" WITH BEVEL OR 1:2 SLOPE (1V/2H) PER CBC SECTION 1023.4.
- THERE SHALL BE NO DROPS IN ELEVATION GREATER THAN 4" AT THE EDGE OF ANY ACCESSIBLE ROUTE, EXCEPT FOR WALKS ADJACENT TO PARKING AREAS WITH ACCEPTABLE 6" CURBS, OR AS DETAILED SPECIFICALLY AT NON-TYPICAL LOCATIONS.
- ACCESSIBLE PATHS OF TRAVEL TO BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATINGS LOCATED IN THE WALKWAY SURFACE SHALL HAVE GRID OPENINGS 12" MAX WIDE IN ONE DIRECTION ORIENTED PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL, SECTION 1133B 7.2, 2001 CBC.
- NEW CURB CUTS SHOWN ON PLAN (S.C.D. ALSO) EXISTING CURB CUTS ALONG ACCESSIBLE ROUTES HAVE BEEN VERIFIED.
- CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED PER SECTION 1023 AND THAT THE ACCESSIBLE ROUTES OF TRAVEL COMPLY WITH SECTION 1127B AND 1133B 7, 2001 CBC.
- FOR ADDITIONAL REQUIREMENTS AT (N) WORK IN THE PATH OF TRAVEL SEE SHEET A2.1- DEMO, NEW AND FLOOR FINISH PLANS

DRAWING NOTES

- 1 "UNAUTHORIZED PARKING" SIGNAGE, APPL. #02-107552

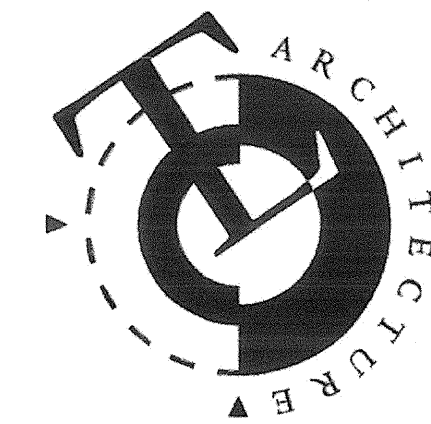
LEGEND

- (E) CAMPUS BUILDINGS
- ACCESSIBLE PATH OF TRAVEL
- F.H. FIRE HYDRANT LOCATION

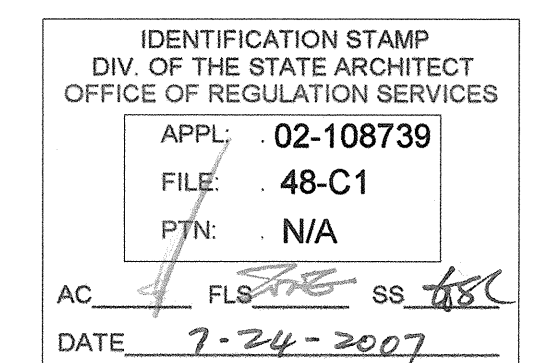
SHEET NOTES

1. CONTRACTOR STAGING AREA TO BE DETERMINED BY KITCHELL, PROJECT MANAGER FOR THE DISTRICT.

EXISTING BUILDING SUMMARY		
BLDG. NO.	DSA APPL. NO.	AREA
100	01-102029, 31727, 43623	49,800 S.F.
200	60163, 43623	9,562 S.F.
300	31728, 43623, 31407	24,240 S.F.
400	02-100548, 43623	1,440 S.F.
500	31728, 43623, 31407	11,616 S.F.
600	31728, 43623, 31407	13,056 S.F.
700	31728, 43623, 31407	16,864 S.F.
800	40427, 43623	17,856 S.F.
900	38943, 43623	2,447 S.F.
1100	28325	17,500 S.F.
1200	35987, 43623	25,251 S.F.
1300	40427, 43623	12,400 S.F.
1400	31727, 43623	30,978 S.F.
1500	31728, 43623, 31407	11,616 S.F.
1800	31728, 43623, 31407	14,336 S.F.
1700	32298, 43623, 02-103762	48,201 S.F.
1800A	34859, 43623	9,660 S.F.
1800B	34859, 43623, 02-106610	24,610 S.F.
1900	31728, 43623, 31407	10,730 S.F.
2000	31728, 31407	3,100 S.F.
2100	32556, 43623	3,500 S.F.
2500	33490, 33013, 43623	
SWIMMING POOL	32556, 43623	12,320 S.F.
ARCH. BARRIERS PROJECT	43623	
ADA + FA UPGRADES	02-103473	CAMPUS WIDE



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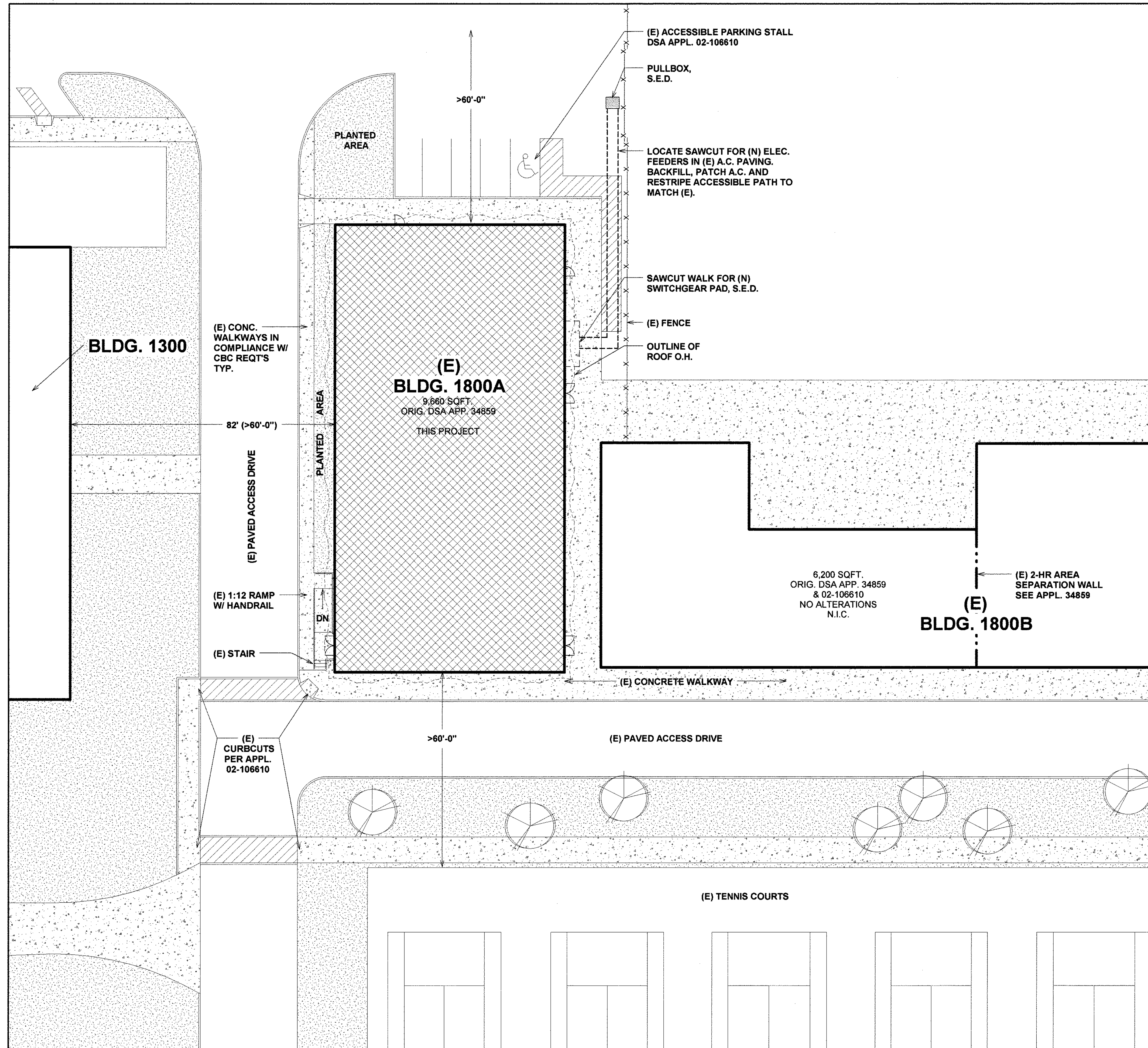
Solano Community
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4000 Suisun Valley Road
Fairfield, Ca

Solano Community
College District
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Suisun, California

PROJECT NUMBER:
06047.00
DATE:
7/24/07
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SP
CHECKED BY:
CG
REVISIONS:

ACCESSIBILITY SITE PLAN

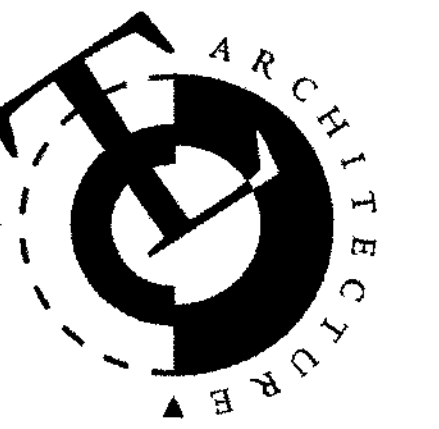
T2



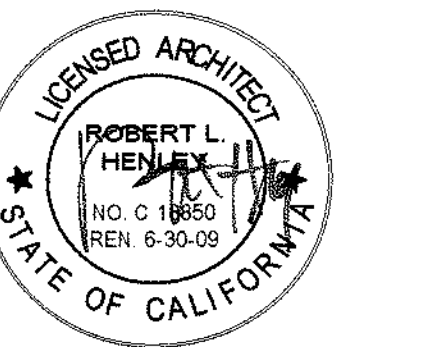
1 ENLARGED SITE PLAN
1/16" = 1'-0"

CODE ANALYSIS: BUILDING 1800A AND
A PORTION OF BUILDING 1800B

BUILDING	BLDG. 1800A & PORTION OF BLDG. 1800B COMBINED
OCCUPANCY	B
MINOR OCCUPANCIES	A-3
TYPE OF CONSTRUCTION	V-N
AREA INCREASE CALCULATION	
BASIC ALLOWABLE AREA (IN SF)	8000
NUMBER OF STORIES	1
FIRE SPRINKLERS	NO
INCREASE FOR SPRINKLERS	0
SEPARATIONS	
NORTH	>60"
EAST	2-HR. AREA SEP. (SEE PLAN FOR LOCATION)
SOUTH	>60"
WEST	>60"
INCREASE PERMITTED BY SEPARATIONS	
TOTAL ALLOWABLE AREA	100%
ACTUAL BUILDING AREA:	
1800A	9,660
1800B WEST PORTION	6,200
TOTAL	15,860 < 16,000 ALLOWED, OK



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AC. [Signature] SS. [Signature]
DATE 7-24-2007

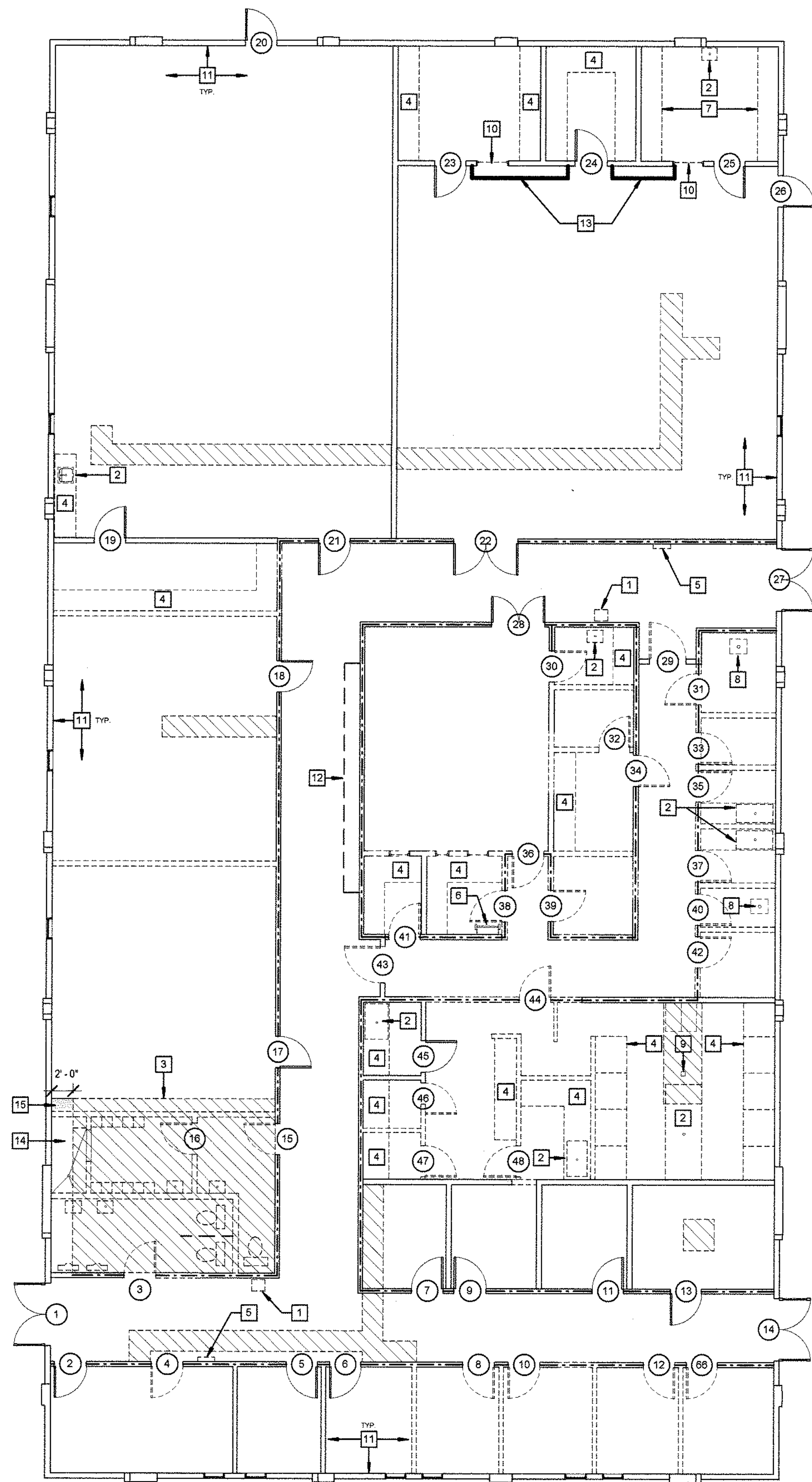
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CODE ANALYSIS &
ENLARGED SITE PLAN

A1.1



2 Demo Floor Plan
1/8" = 1'-0"

DEMOLITION WORK NOTES

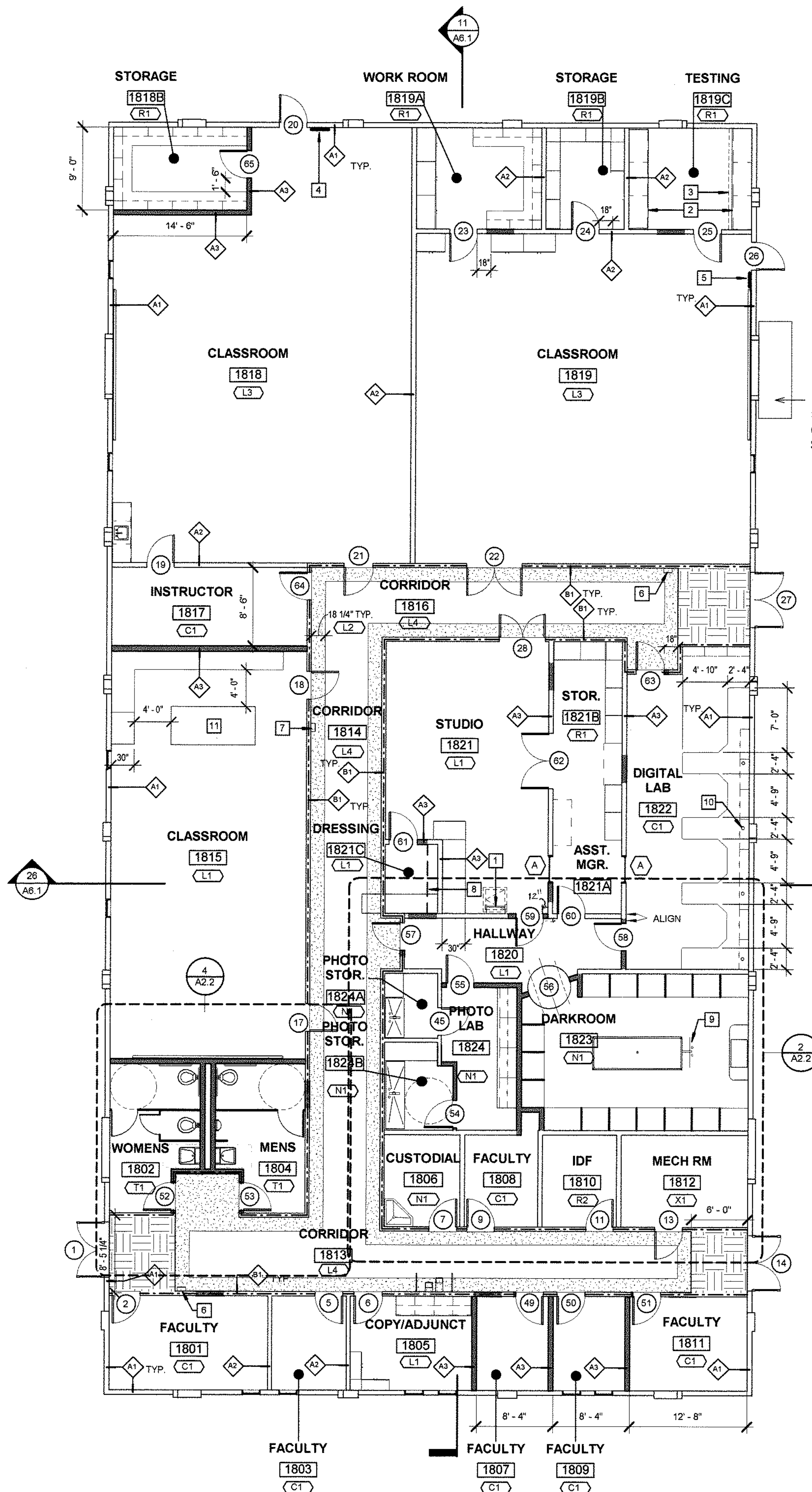
- 1 REMOVE (E) DRINKING FOUNTAINS, S.P.D.
- 2 REMOVE (E) SINKS, S.P.D.
- 3 AREA TO RECEIVE DEPRESSED SLAB. DEMO (E) TOILET ROOM COMPLETE. S.P.D., S.S.D.
- 4 REMOVE (E) CASEWORK, TYP.
- 5 REMOVE (E) FIRE EXTINGUISHER CABINETS, STORE AND REINSTALL. PAINT TO MATCH ADJ. WALLS
- 6 REMOVE (E) ROOF ACCESS LADDER & REINSTALL, SEE (N) WORK
- 7 REMOVE (E) STL. CASEWORK, COUNTERTOPS & HOOD, STORE AND REINSTALL
- 8 REMOVE (E) FLOOR SINKS, S.P.D. PATCH HOLE WITH CONCRETE
- 9 REMOVE (E) FLOOR DRAIN, S.P.D.
- 10 REMOVE (E) DOOR/WINDOW AND INFILL
- 11 (E) FURRED CONCRETE WALLS. REMOVE INTERIOR FINISH COMPLETE TO EXPOSE FURRING
- 12 DEMO LOCKERS COMPLETE
- 13 REMOVE (E) CONCRETE CURB FLUSH TO FLOOR
- 14 PORTION OF (E) SLAB TO REMAIN. PRESERVE (E) DOWELS @ FOOTING & PROTECT UNDER SLAB DRAINAGE, REMOVE (E) TILE FLOOR COMPLETE
- 15 PORTION OF SLAB TO REMAIN. BUSH HAMMER SHADED AREA OF SLAB DOWN TO MATCH (N) DEPRESSED SLAB ELEVATION

DEMOLITION LEGEND

- 1-HR. RATED WALLS, DEMO WHERE INDICATED
- (E) WALLS & ITEMS TO BE REMOVED
- (E) WALLS TO REMAIN, REMOVE ALL FINISHES TO STUDS, U.O.N.
- AREA OF (E) CONCRETE SLAB TO BE SAWCUT & REMOVED. VERIFY EXTENT AND COORDINATE WITH ALL TRADES AND DRAWINGS. S.S.D., S.P.D., S.E.D. SEE STRUCTURAL DRAWINGS FOR SLAB REPAIR DETAILS. SEE A2.2 FOR MORE INFORMATION ON EXTENT AND LOCATION OF TRENCHING.

GENERAL DEMOLITION NOTES:

1. DEMOLITION SHALL NOT BE STARTED IN ANY AREA UNTIL POWER, GAS, WATER, AND OTHER PERTINENT UTILITIES HAVE BEEN DISCONNECTED.
2. THE DEMOLITION CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL, ELECTRICAL, MECHANICAL, AND PLUMBING CONTRACTORS FOR THE PURPOSE OF DISCONNECTING POWER AND OTHER SERVICES WHICH MAY BE DISTURBED BY THE DEMOLITION.
3. IT SHALL BE THE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR TO VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE WORK. ANY EXISTING CONDITIONS OBSERVED WHICH WILL AFFECT THE DEMOLITION NOT OTHERWISE INDICATED IN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
4. DEMOLITION PLANS ARE TO ASSIST THE CONTRACTOR IN THE GENERAL DETERMINATION OF THOSE ITEMS TO BE REMOVED AND RELOCATED. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE COMPLETE SCOPE OF DEMOLITION.
5. REFER TO THE STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE EXTENT OF DEMOLITION WORK IN THOSE AREAS. EXISTING ITEMS ARE SHOWN AS ACCURATELY AS POSSIBLE WITH THE INFORMATION AVAILABLE. ANY DISCREPANCIES OR DISCOVERY OF UNFORESEEN ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE DEMOLITION PROCEEDS.
6. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO SUPPORT ADJACENT WALLS, CEILINGS, OR OTHER BUILDING ELEMENTS.
7. ALL EXISTING SURFACES, WALLS, DOORS, WINDOWS, FRAMES, HARDWARE, ETC. NOT SHOWN TO BE REMOVED OR ALTERED SHALL REMAIN. REMAINING SURFACES AND ITEMS SHALL BE PROTECTED FROM DAMAGE DURING DEMOLITION AND RECONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGE TO EXISTING ITEMS TO REMAIN AS PART OF THE RECONSTRUCTION OF THIS BUILDING.
9. CAP ALL UTILITIES TO BE ABANDONED BEHIND THE FACE OF FINISH, I.E. AT WALLS, FLOORS, CEILINGS, FINISH GRADE, ETC. AND RECORD THE LOCATIONS ON THE RECORD DRAWINGS.
10. ALL ITEMS SCHEDULED TO BE REMOVED AND NOT RELOCATED ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
11. A HAZARDOUS MATERIAL ABATEMENT PROGRAM HAS BEEN ESTABLISHED BY THE OWNER. REFER TO OWNER'S ABATEMENT CONSULTANT DOCUMENTS (PREPARED INDEPENDENT OF THE ARCHITECT'S SUPERVISION) FOR MATERIALS IN THE SCOPE OF WORK THAT ARE SUSPECTED TO BE HAZARDOUS AND MAY REQUIRE REMOVAL BY A CERTIFIED ABATEMENT CONTRACTOR.
12. COORDINATE THE EXTENT OF REMAINING DEMOLITION REQUIRED AS A RESULT OF ABATEMENT DEMOLITION DONE BY OTHERS UNDER THIS CONTRACT.
13. REMOVE ALL NAILS, PINS HANGERS, ETC. FROM THE EXISTING WALLS AND CEILINGS IN THE CORRIDORS, CLASSROOMS, OFFICES, WORKROOMS, TOILET ROOMS, ETC. PREPARE THE WALLS AND CEILINGS FOR THE WORK SCHEDULED FOR THOSE SPECIFIC AREAS.
14. REMOVE ALL WIRING, CABLING, ETC. ABANDONED BUT, NOT SHOWN TO BE REMOVED ON THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FROM THE EXISTING WALLS AND CEILINGS IN THE CORRIDORS, CLASSROOMS, OFFICES, WORKROOMS, TOILET ROOMS, ETC. PREPARE THE WALLS AND CEILINGS FOR THE WORK SCHEDULED FOR THOSE SPECIFIC AREAS.
15. ALL MOVABLE EQUIPMENT, STORAGE SHELVING, DESKS, ETC. IN THE WORK AREA WILL BE REMOVED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.
16. SEE SPECIFICATIONS FOR SELECTIVE DEMOLITION, SECTION 01732.
17. PRIOR TO COMMENCEMENT OF NEW WORK, THE SLAB SHALL BE INSPECTED FOR FLATNESS THROUGHOUT. ALL HIGH SPOTS, RIDGES, ETC. THAT ARE GREATER THAN 1/8" IN RELATION TO THE ADJACENT AREA OR 1/4" OUT OF LEVEL IN 10'-0" SHALL BE PATCHED WITH A SUITABLE CONCRETE PATCHING PRODUCT. THE FLOOR SHALL BE INSPECTED BY THE FLOORING SUBCONTRACTOR FOR ACCEPTANCE PRIOR TO THE INSTALLATION OF ANY FLOORING MATERIAL.
18. AFTER REMOVAL OF INTERIOR FINISHES FROM WALLS TO REMAIN, INSPECT ALL WOOD FRAMING FOR MOISTURE DAMAGE AND REPAIR AS REQUIRED.



1 New Floor Plan
1/8" = 1'-0"

NEW WORK NOTES

- 1 REINSTALL ROOF ACCESS LADDER, PAINT TO MATCH ADJ. WALLS.
- 2 REINSTALL STEEL CASEWORK, COMPLETE
- 3 REINSTALL EXISTING EXHAUST HOOD, COMPLETE
- 4 POST SIGN "THE MAXIMUM NUMBER OF OCCUPANTS SHALL NOT EXCEED 65 BY ORDER OF THE STATE FIRE MARSHAL."
- 5 POST SIGN "THE MAXIMUM NUMBER OF OCCUPANTS SHALL NOT EXCEED 65 BY ORDER OF THE STATE FIRE MARSHAL."
- 6 (E) F.E.C. W/ 2A10BC, REINSTALL, F.E. PROVIDED BY DISTRICT
- 7 (N) F.E.C. W/ 2A10BC, F.E. PROVIDED BY DISTRICT
- 8 (N) CLOSET POLE
- 9 (N) SINK MOUNTED EYEWASH, S.P.D.
- 10 2-1/2" DIA. GROMMET, TYP.
- 11 ISLAND WORKSTATION, SEE 25 A9.1

NEW WORK LEGEND

- 1-HR. RATED WALLS
- (N) WALL, OR INFILL, PER WALL LEGEND
- (E) WALLS, PER WALL LEGEND
- INDICATES FLOOR JUNCTION BOXES, S.E.D. VERIFY LOCATIONS

WALL LEGEND

- INDICATES STUD SIZE OTHER THAN TYPICAL
- INDICATES WALL TYPE
- (E) FURRED CONCRETE WALL WITH (N) INT. FINISHES
- (E) INT. WALL WITH (N) FINISHES
- (N) INT. WALL
- (N) PLUMBING CAVITY WALL
- (E) 1-HR RATED INT. WALL W/ (N) FINISHES
- (N) 1-HR RATED INT. WALL

GENERAL NEW WORK NOTES:

1. SEE FURNITURE PLAN FOR ALL FURNISHINGS NOT DESIGNATED AS CASEWORK.
2. SEE INTERIOR ELEVATIONS FOR ITEMS NOT SHOWN ON PLANS.
3. AT INFILL WALL CONDITIONS, MATCH ADJACENT WALL CONSTRUCTION. ALSO SEE STRUCTURAL DRAWINGS FOR ADOL. FRAMING INFORMATION.

FLOOR FINISH LEGEND

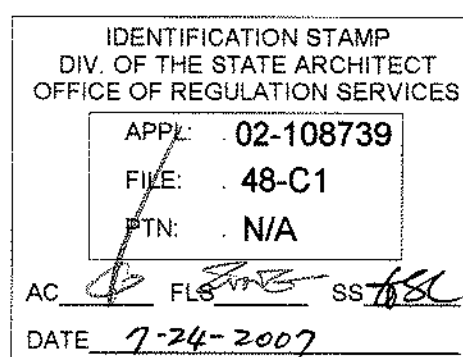
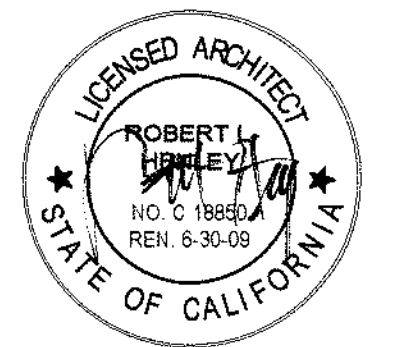
- L-1 LINOLEUM TILE FIELD FORBO DUAL 629 EIGER
- L-2 LINOLEUM SHEET ACCENT FORBO DUAL 527 BRICK
- L-3 LINOLEUM TILE CLASSROOM FORBO DUAL 607 WHITE MARBLE
- L-4 LINOLEUM SHEET FIELD FORBO DUAL 629 EIGER
- C-1 CARPET TILE INTERFACE EARTH 4227 PLATEAU
- C-2 CARPET TILE WALK-OFF INTERFACE ENTRY LEVEL 7191 OLIVE
- R-1 RESILIENTQUARTZ ALTRO COLOR 0115
- R-2 RESILIENTRUBBER NORAPLAN STONE AL 1146 GRANITE
- T-1 TILE 2 X 2 DAL TILE KEYSTONE DO28 DARK GRAY
- N-1 RESINOUS FLOORING TERA-LITE, TERA-GEM III DQ GRANITE
- X-1 CONCRETE FLOORING CLEAR FINISH

BASE FINISH LEGEND

- B-1 RUBBER BASE JOHNSONITE 63 BURNT UMBER
- B-2 RUBBER BASE JOHNSONITE 32 PEBBLE
- B-3 SELF COVE BASE MATCH FLOOR FINISH
- B-4 COVE TILE BASE MATCH WALL TILE
- B-5 SELF COVE BASE MATCH RESINOUS FLOORING



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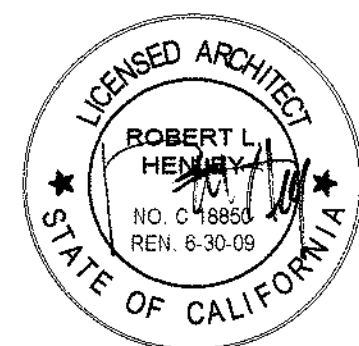
DEMO, NEW & FLOOR
FINISH PLANS

A2.1

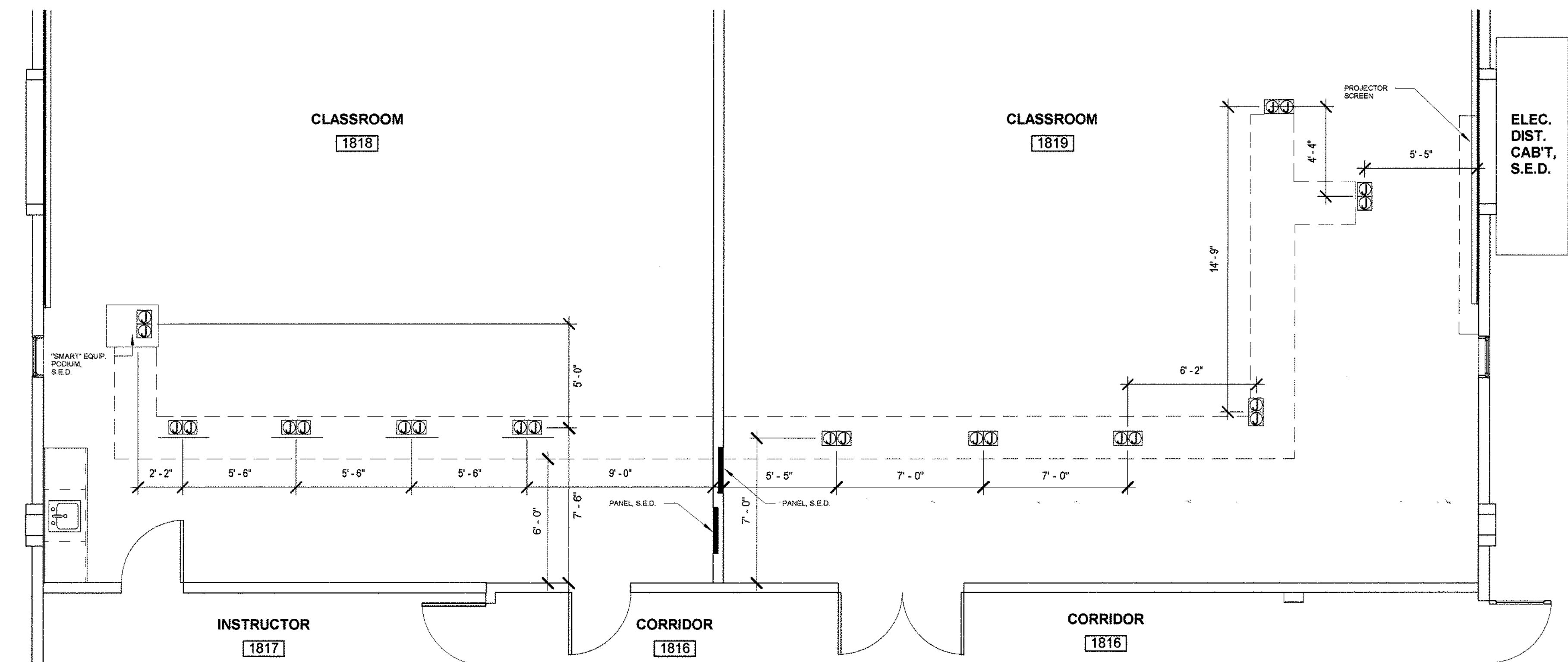
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PTN.	N/A
AC	FILED
DATE	7-24-2007

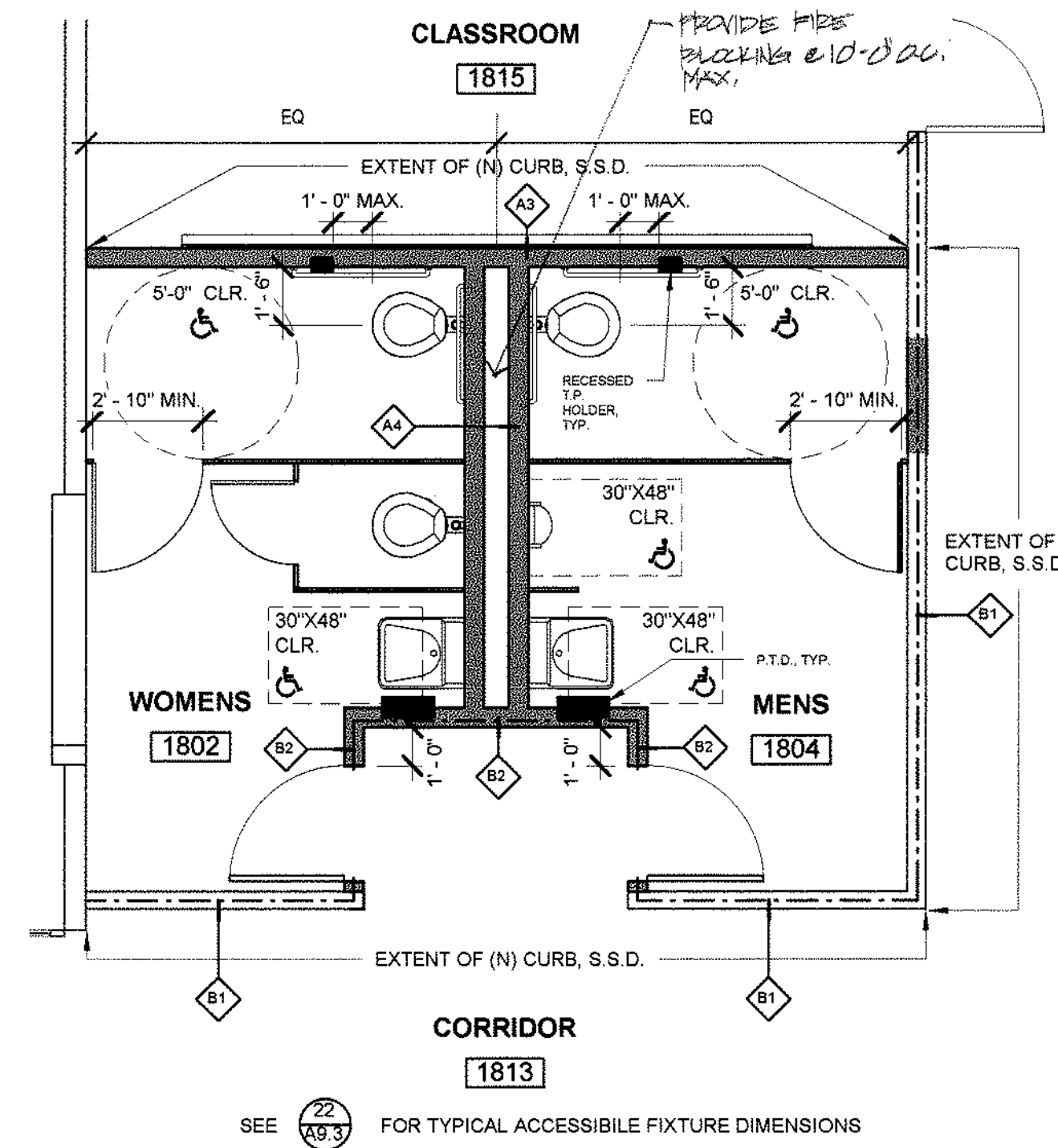


1 CLASSROOMS 1818 & 1819 - JUNCTION BOX LAYOUT
1/4" = 1'-0"

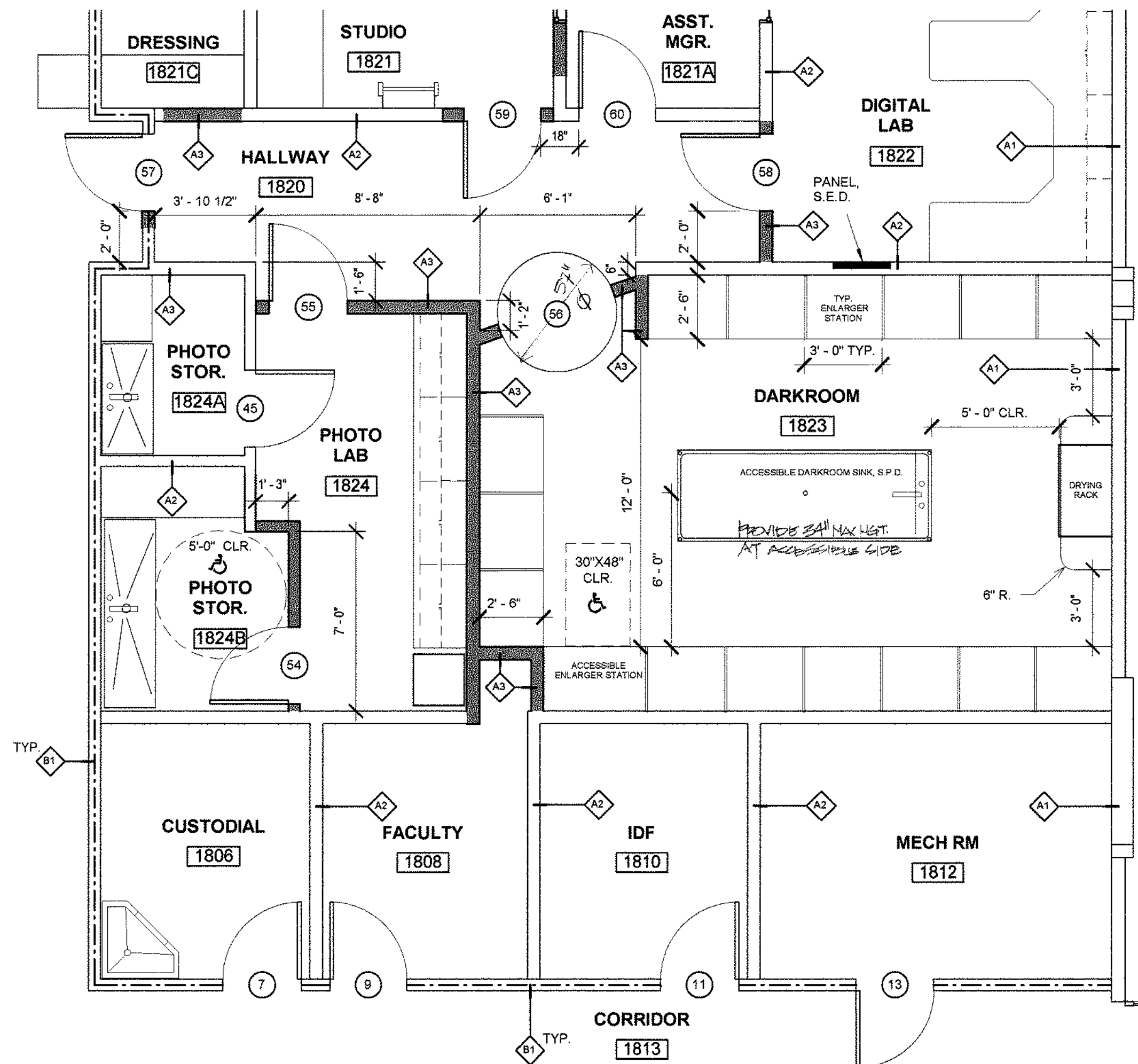


NEW WORK LEGEND

- 1-HR. RATED WALLS
- (N) WALL, OR INFILL, PER WALL LEGEND
- (E) WALLS, PER WALL LEGEND



4 ENLARGED TOILET PLAN
1/4" = 1'-0"



2 ENLARGED DARKROOM PLAN
1/4" = 1'-0"



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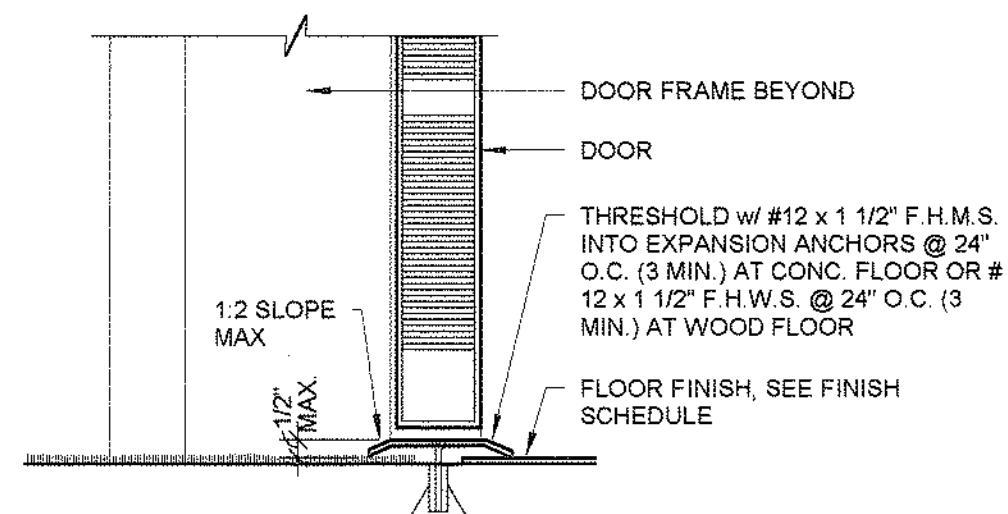
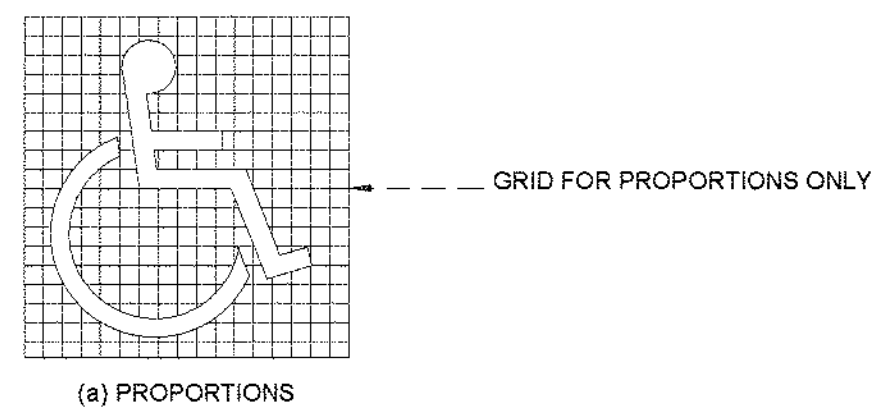
F&E, ENLARGED FLOOR
PLANS

A2.2

WINDOW TYPES



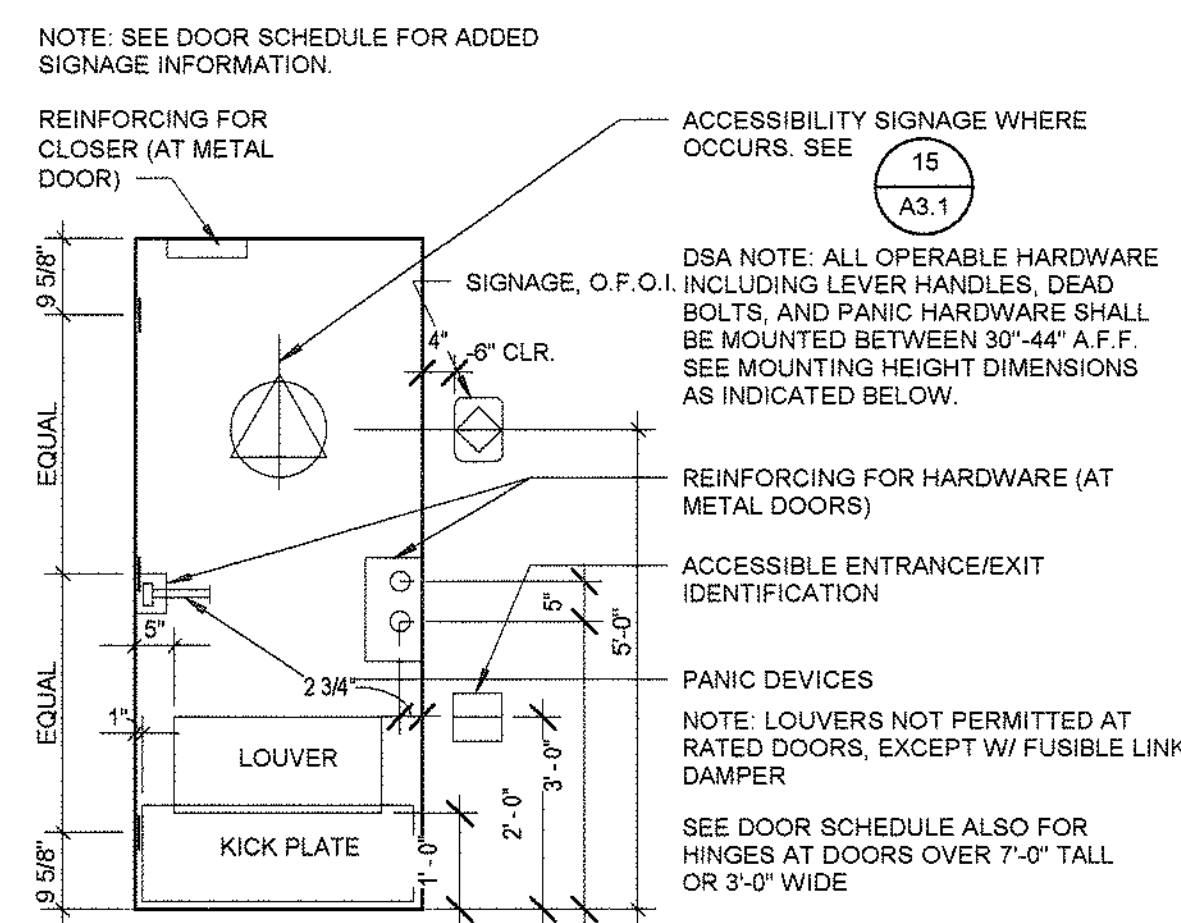
1. ALL GLAZING AT EXTERIOR LOCATIONS TO BE DUAL GLAZED TEMPERED GLAZING UNLESS OTHERWISE NOTED
2. ALL GLASS AT INTERIOR LOCATIONS IS TO BE DUAL GLAZED TEMPERED CLEAR UNLESS OTHERWISE NOTED OR REQUIRED
3. ALL GLAZING AT FIRE-RATED ASSEMBLIES TO BE WIRE GLASS AS REQUIRED BY ASSEMBLY.
4. ROLLER SHADES, SEE INT. ELEV. FOR LOCATIONS
5. HORIZ. LOUVER BLINDS, SEE INT. ELEV. FOR LOCATIONS


$$3'' = 1'-0''$$


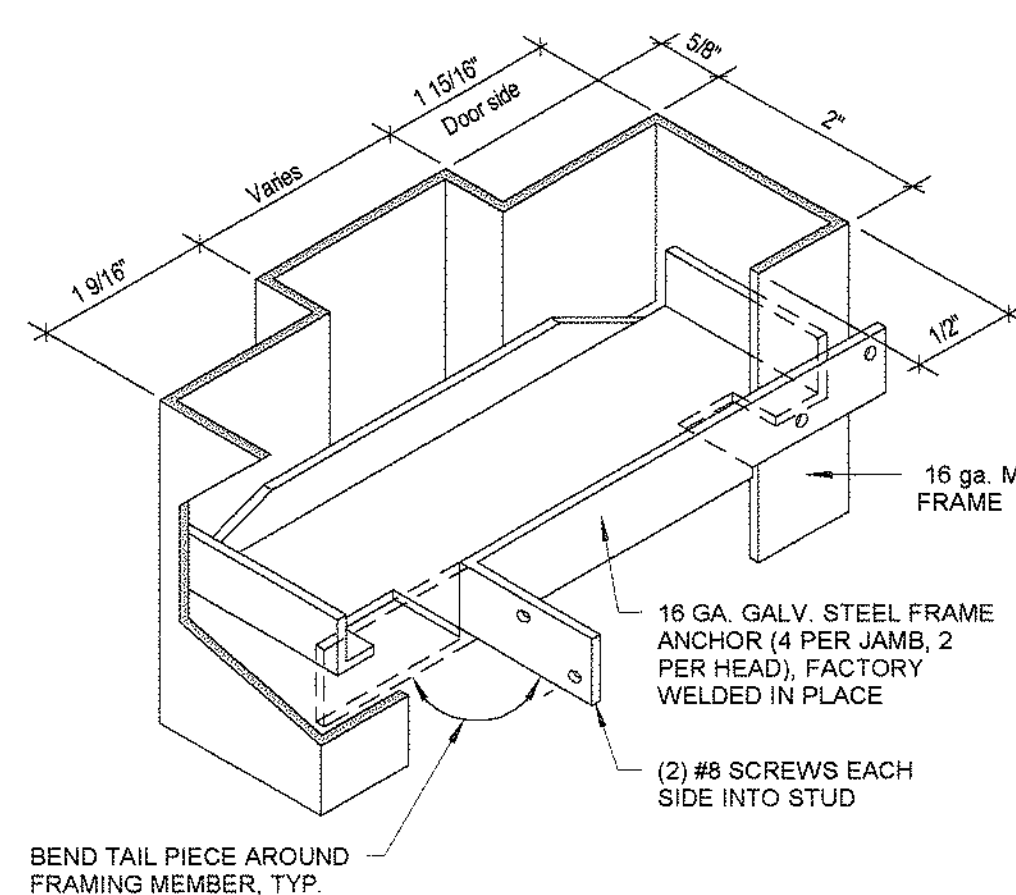
DRAWING N.T.S.

GENERAL DOOR & FRAME NOTES:

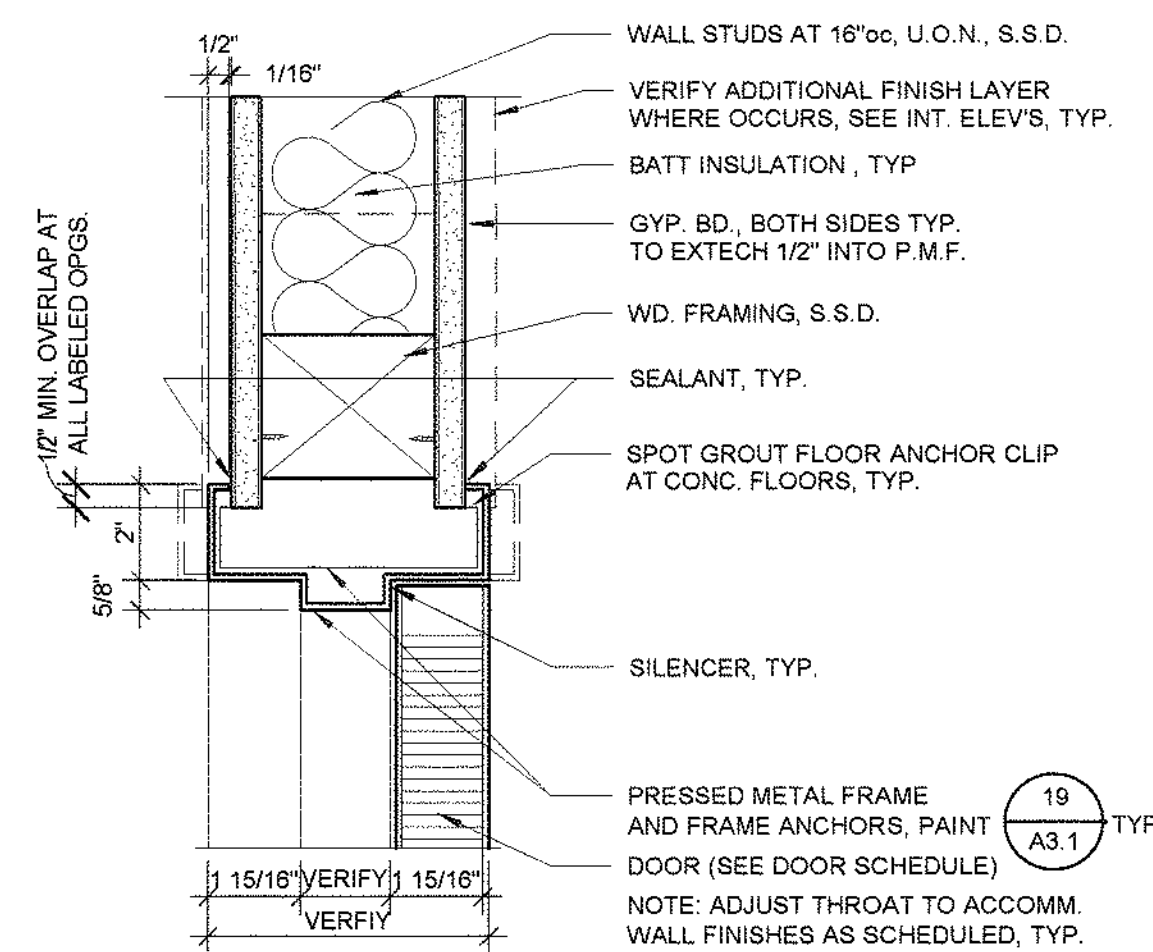
1. RATED DOORS ARE TO BE POSITIVE LATCHING AND SELF-CLOSING
2. ALL RATED ASSEMBLIES SHALL BE PROVIDED WITH APPROVED SMOKE GASKETING AND MARKED "S" PER C.B.C. 1094.3.3.2.1.
3. LABEL SHALL MEAN "ASSEMBLY" AS DEFINED IN C.B.C. SEC. 713.
4. FIRE RATED DOOR FRAMES SHALL BE INSTALLED STRICTLY PER MANUFACTURER'S PRINTED INSTRUCTIONS. MANUFACTURER'S PRINTED INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AGENCIES.
5. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
6. EFFORT TO OPERATE DOOR(S) SHALL BE: MAXIMUM 8 lbs. @ EXTERIOR DOOR(S), 5 lbs. @ INTERIOR DOOR(S); FIRE DOOR(S) SHALL NOT EXCEED 15 lbs.
7. ALL HARDWARE SHALL CONFORM TO A.D.A. AND C.B.C. 2001 REQUIREMENTS.
8. DOOR FRAMES SHALL BE PAINTED. COLOR AS SELECTED BY THE ARCHITECT.
9. PROVIDE ROOM IDENTIFICATION SIGNAGE PER 
10. ALL H.M. AND WOOD DOORS SHALL BE PAINTED. COLOR AS SELECTED BY ARCHITECT



1/2" = 1'-0"



3° = 1'-0"


$$3^{\circ} = 1^{\circ} - 0^{\circ}$$

DOOR SCHEDULE														
NO.	WIDTH	HEIGHT	THK.	Door Type	HDWR. GROUP	PANIC HDWR.	LABEL	MAT'L	FRAME TYPE	HEAD DETAILS	JAMB DETAILS	SILL DETAILS	SIGN PER 15/A3.1	REMARKS
1	6' - 0"	7' - 0"				(E)		AL.					A	EXISTING TO REMAIN, P.H. (E)
2	3' - 0"	7' - 0"	1 3/4"		3		20 min. WD	P.M.F.					H	EXISTING TO REMAIN
3	3' - 0"	7' - 0"	1 3/4"				20 min. WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
4	3' - 0"	7' - 0"	1 3/4"	B			20 min. WD	P.M.F.					-	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 51
5	3' - 0"	7' - 0"	1 3/4"		3		20 min. WD	P.M.F.					H	EXISTING TO REMAIN
6	3' - 0"	7' - 0"	1 3/4"		3		20 min. WD	P.M.F.					H	EXISTING TO REMAIN
7	3' - 0"	7' - 0"	1 3/4"		4		20 min. WD	P.M.F.					H	EXISTING TO REMAIN
8	3' - 0"	7' - 0"	1 3/4"	B			20 min. WD	P.M.F.					H	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 49
9	3' - 0"	7' - 0"	1 3/4"		3		20 min. WD	P.M.F.					-	EXISTING TO REMAIN
10	3' - 0"	7' - 0"	1 3/4"	B			20 min. WD	P.M.F.					-	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 50
11	3' - 0"	7' - 0"	1 3/4"	B	4		20 min. WD	P.M.F.					H	EXISTING TO REMAIN (VERIFY LOUVER) -HAS FUSIBLE LINK
12	3' - 0"	7' - 0"	1 3/4"				20 min. WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
13	3' - 0"	7' - 0"	1 3/4"		4		20 min. WD	P.M.F.					H	EXISTING TO REMAIN
14	6' - 0"	7' - 0"				(E)	AL.						H	EXISTING TO REMAIN
15	3' - 0"	7' - 0"	1 3/4"				20 min. WD	P.M.F.					H	EXISTING-REMOVE, DISCARD
16	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					H	EXISTING-REMOVE, DISCARD
17	3' - 0"	7' - 0"	1 3/4"		1		20 min. WD	P.M.F.					L	EXISTING TO REMAIN
18	3' - 0"	7' - 0"	1 3/4"		1		20 min. WD	P.M.F.					H.L	EXISTING TO REMAIN
19	3' - 0"	7' - 0"	1 3/4"		6		WD	P.M.F.					H.L	EXISTING TO REMAIN
20	3' - 0"	7' - 0"	2"			(E)	AL.						H	EXISTING TO REMAIN, P.H. (E)
21	3' - 0"	7' - 0"	1 3/4"		1	(N)	20 min. WD	P.M.F.					H	EXISTING TO REMAIN, ADD P.H.
22	6' - 0"	7' - 0"	1 3/4"	B	2	(N)	20 min. WD	P.M.F.					H	EXISTING TO REMAIN, ADD P.H.
23	3' - 0"	7' - 0"	1 3/4"		5		WD	P.M.F.					L	EXISTING TO REMAIN
24	3' - 0"	7' - 0"	1 3/4"		5		WD	P.M.F.					L	EXISTING TO REMAIN
25	3' - 0"	7' - 0"	1 3/4"		5		WD	P.M.F.					H	EXISTING TO REMAIN
26	3' - 0"	7' - 0"	2"				AL.						H	EXISTING TO REMAIN, P.H. (E)
27	6' - 0"	7' - 0"				(E)	AL.						A	EXISTING TO REMAIN, P.H. (E)
28	5' - 0"	9' - 0"	1 3/4"	A	2		20 min. MTL	P.M.F.					H	EXISTING TO REMAIN, SERVICE DOOR
29	3' - 6"	7' - 0"	1 3/4"				20 min. WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
30	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
31	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
32	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
33	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
34	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
35	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
36	3' - 0"	7' - 0"	1 3/4"	A			WD	P.M.F.					-	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 59
37	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
38	3' - 0"	7' - 0"	1 3/4"	A			WD	P.M.F.					-	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 61
39	3' - 0"	7' - 0"	1 3/4"	C			WD	P.M.F.					-	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 60
40	3' - 0"	7' - 0"	1 3/4"	A			WD	P.M.F.					-	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 65
41	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
42	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
43	3' - 6"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
44	3' - 0"	7' - 0"	1 3/4"	A			WD	P.M.F.					-	EXISTING-SIMOVE DISCARD
45	3' - 0"	7' - 0"	1 3/4"		5		WD	P.M.F.					H	EXISTING-TO REMAIN
46	3' - 0"	7' - 0"	1 3/4"	C			WD	P.M.F.					H	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 54
47	3' - 0"	7' - 0"	1 3/4"				WD	P.M.F.					-	EXISTING-REMOVE, DISCARD
48	3' - 0"	7' - 0"	1 3/4"	C			WD	P.M.F.					-	EXISTING-REMOVE COMPLETE & REINSTALL AS DOOR 55
49	3' - 0"	7' - 0"	1 3/4"	B	101		20 min. WD	P.M.F.	20/-		20/-SIM.		H	FROM DOOR 8
50	3' - 0"	7' - 0"	1 3/4"	B	101		20 min. WD	P.M.F.	20/-		20/-SIM.		H	FROM DOOR 10
51	3' - 0"	7' - 0"	1 3/4"	B	101		20 min. WD	P.M.F.	20/-		20/-SIM.		H	FROM DOOR 4
52	3' - 0"	7' - 0"	1 3/4"	A	100		20 min. WD	P.M.F.	20/-		20/-SIM.		B.E	
53	3' - 0"	7' - 0"	1 3/4"	A	100		20 min. WD	P.M.F.	20/-		20/-SIM.		G.F	
54	3' - 0"	7' - 0"	1 3/4"	C	5					20/-			H	FROM DOOR 46
55	3' - 0"	7' - 0"	1 3/4"	A	104								H	
56	5' - 0"	7' - 0"			109			ABS	MANUF.				H	5'-0" DIA. DARKROOM DOOR. SEE MANUF. INSTALLATION DETAILS
57	3' - 0"	7' - 0"	1 3/4"	B	103		20 min. WD	P.M.F.	20/-		20/-SIM.		H	
58	3' - 0"	7' - 0"	1 3/4"	D	104		WD		20/-		20/-SIM.		H	
59	3' - 0"	7' - 0"	1 3/4"	A	104		WD	P.M.F.	20/-		20/-SIM.		H	FROM DOOR 36
60	3' - 0"	7' - 0"	1 3/4"	C	105		WD	P.M.F.	20/-		20/-SIM.		H	FROM DOOR 39
61	3' - 0"	7' - 0"	1 3/4"	A	108		WD	P.M.F.	20/-		20/-SIM.		H	
62	6' - 0"	7' - 0"	1 3/4"	A	106		WD	P.M.F.	20/-		20/-SIM.		H	
63	3' - 0"	7' - 0"	1 3/4"	A	102		20 min. WD	P.M.F.	20/-		20/-SIM.		H	
64	3' - 0"	7' - 0"	1 3/4"	A	101		20 min. WD	P.M.F.	20/-		20/-SIM.		H	
65	3' - 0"	7' - 0"	1 3/4"	A	102		60 Min. WD	P.M.F.	20/-		20/-SIM.		H	FROM DOOR 40
66	3' - 0"	7' - 0"	1 3/4"						20/-		20/-SIM.			

SIGN NOTES:

1. ALL SIGNS, EXCEPT DOW MOUNTED SIGNS, SHALL HAVE BOTH RAISED LETTERS AND BRAILLE MESSAGE. LETTERS AND NUMBERS SHALL BE RAISED TO THE TOP OF THE SIGN. ALL UPPERCASE CHARACTERS BETWEEN 'S' AND 'Z' IN HEIGHT. BRAILLE SHALL BE CALIFORNIA CONTRACT GRADE II BRAILLE 110° ON CENTER IN ONE CHARACTER SPACE. ALL CHARACTERS SHALL BE 1/16" MINIMUM. 140° ABOVE THE BACKGROUND. ALL SIGNS SHALL COMPLY WITH T-24, SEC. 117B-5-5887.8-10. ALL BRAILLE COMPONENTS SHALL BE AN INTEGRAL PART OF THE SIGN. ARROWS AND STRIPS ARE NOT ACCEPTABLE.

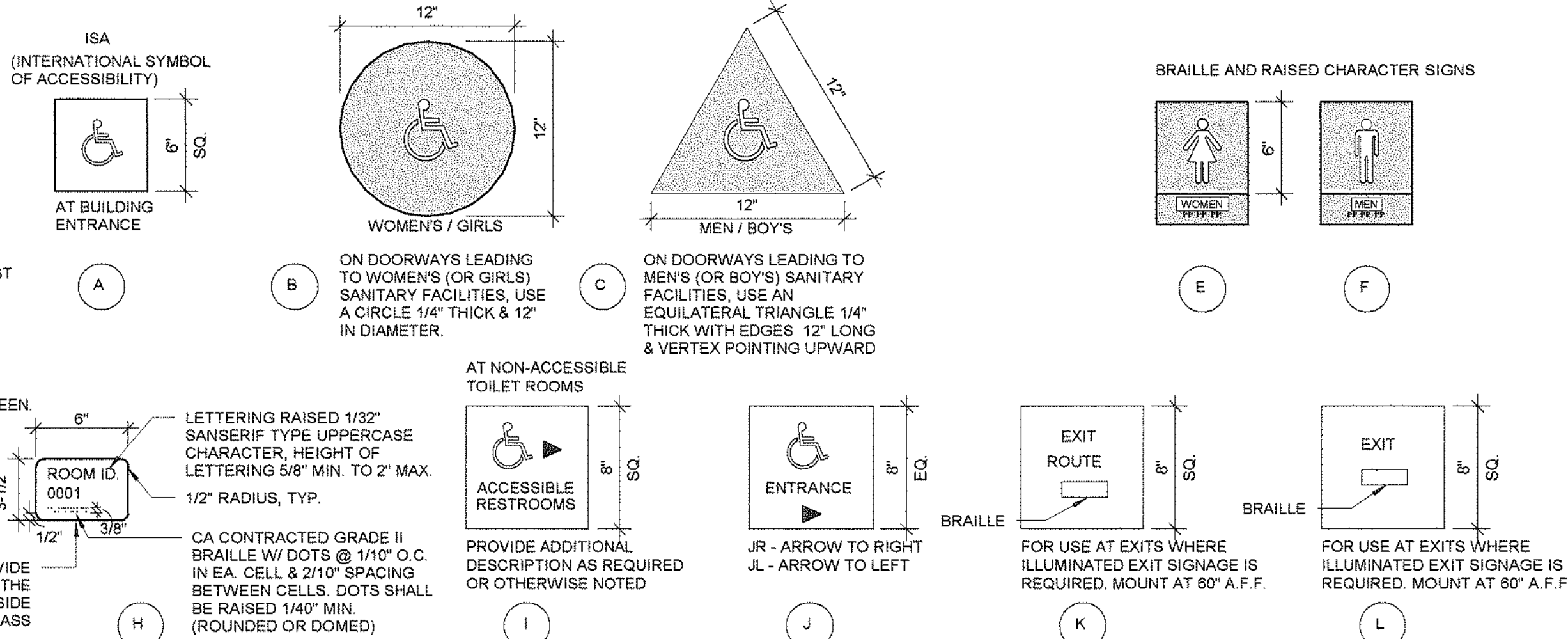
2. LETTER STYLE SHALL BE SANS SERIF. UPPERCASE STROKE SHALL BE BETWEEN 10 AND 20 PERCENT OF CHARACTER HEIGHT. WIDTH OF CHARACTER SHALL BE 100 PERCENT OF CHARACTER HEIGHT. ALL CHARACTERS SHALL BE IN CONTRASTING COLORS TO THE BACKGROUND. 70% CONTRAST COLORS SHALL BE AS SELECTED BY THE ARCHITECT.

3. THE SIGNAGE SHALL BE SUBMITTED TO THE ARCHITECT ONLY. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW. SHOP DRAWINGS SHALL SHOW EXACT LAYOUT & CONSTRUCTION DETAILS.

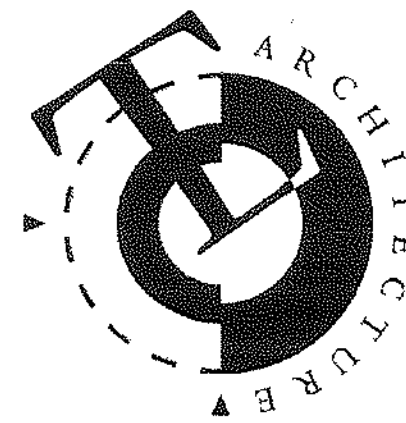
4. SIGNS SHALL HAVE A NON-GLARE FINISH.

5. BRAILLE SHALL BE BELOW RAISED CHARACTERS WITH A 1/2" SPACE BETWEEN.

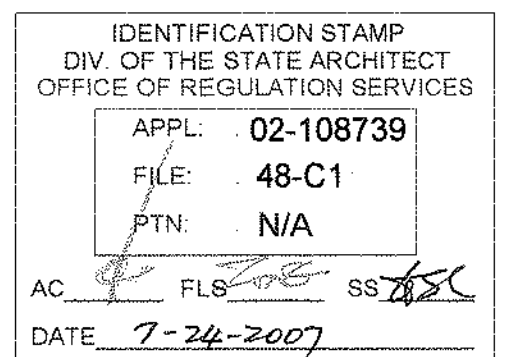
6. THE SIGNAGE SHALL BE IN ACCORDANCE TO THE PROPORTIONS AS ILLUSTRATED IN TITLE 24, FIGURE 11B-6. SEE DETAIL 24A.



$1\frac{1}{2}'' = 1'-0''$



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Solano Community
College District
4000 Suisun Valley Road
Suisun, California

PROJECT NUMBER
06047.00

DATE
7/24/07

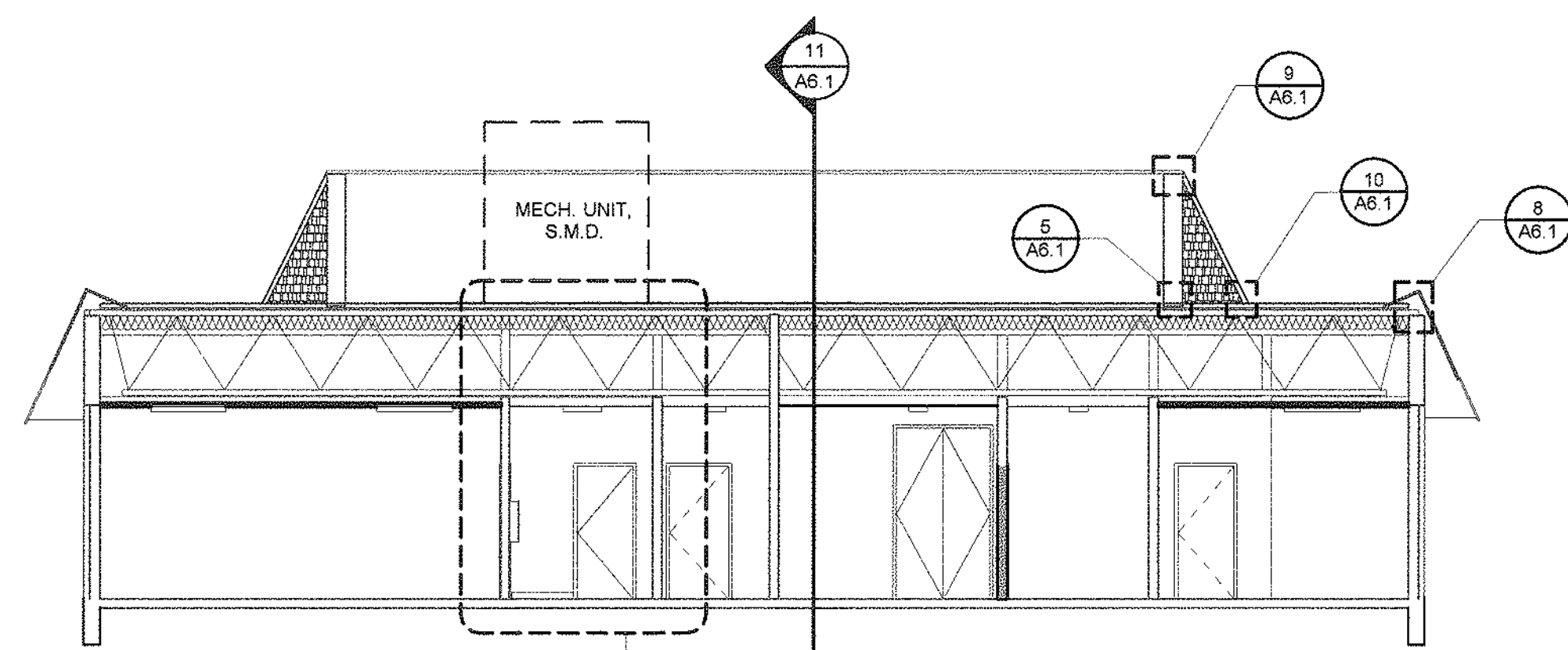
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SP

CHECKED BY:
CG

REVISIONS:

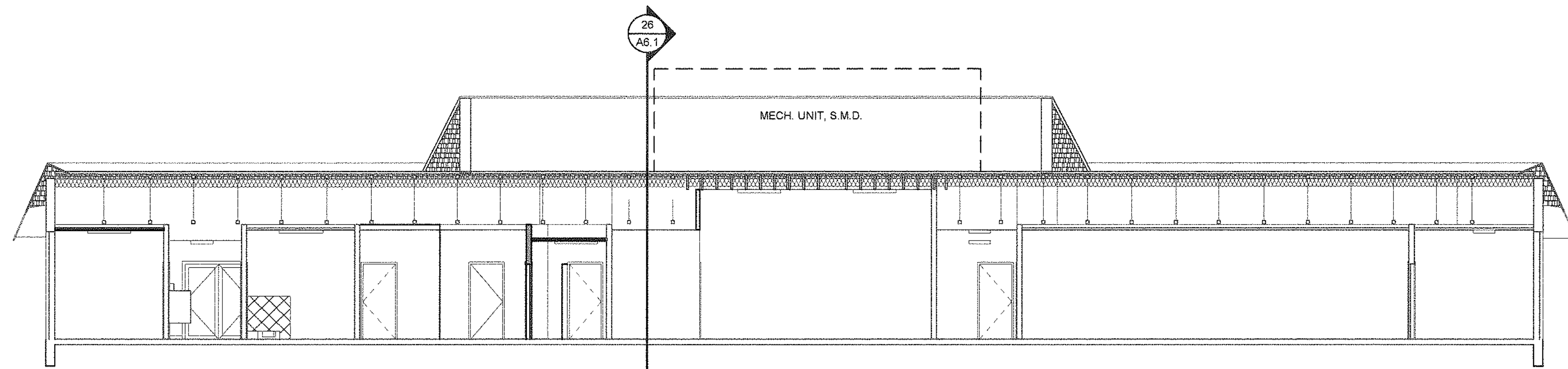
DOOR SCHEDULE
WINDOW & DOOR TYPES,
DETAILS

A3.1



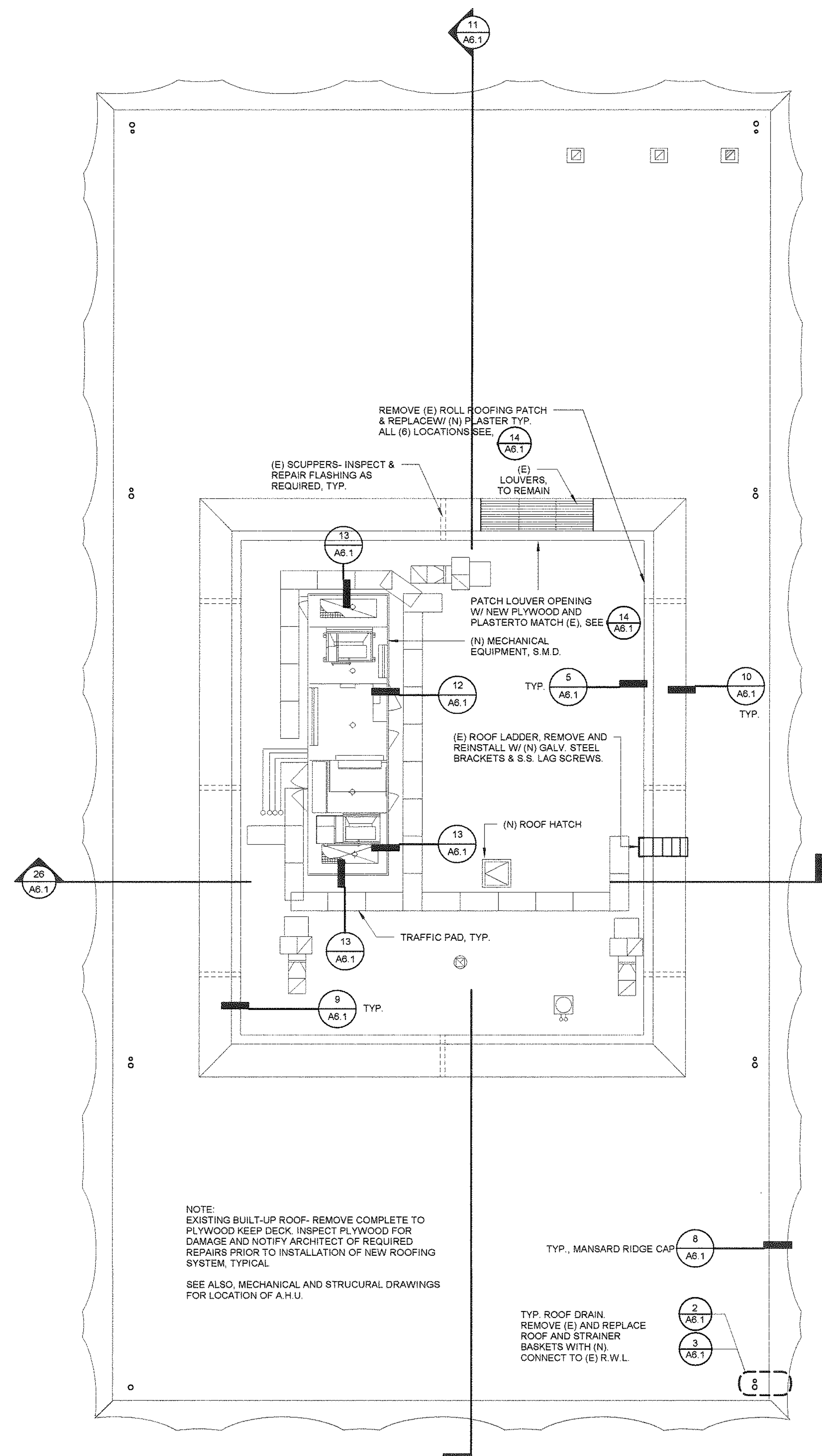
26 CROSS SECTION

1/8" = 1'-0"



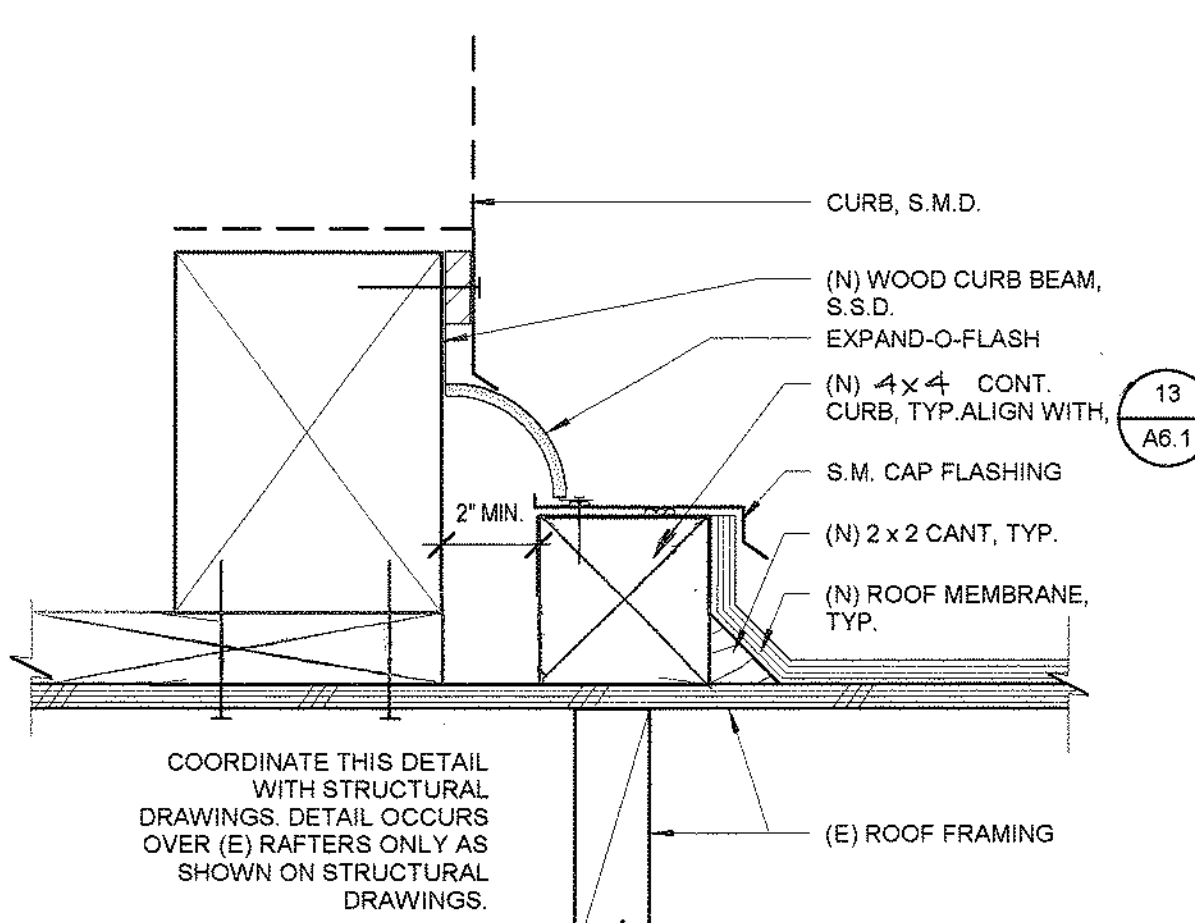
11 LONGITUDINAL SECTION

1/8" = 1'-0"



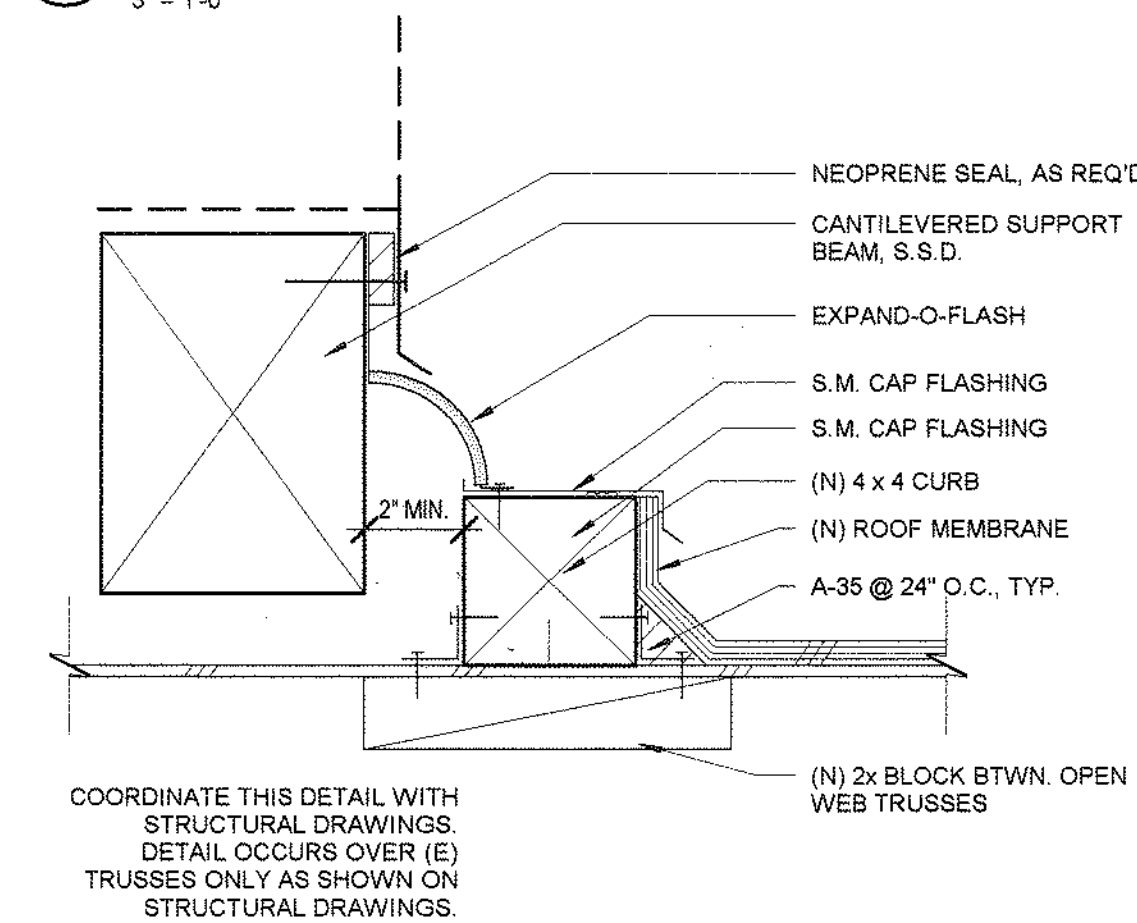
30 ROOF PLAN

1/8" = 1'-0"



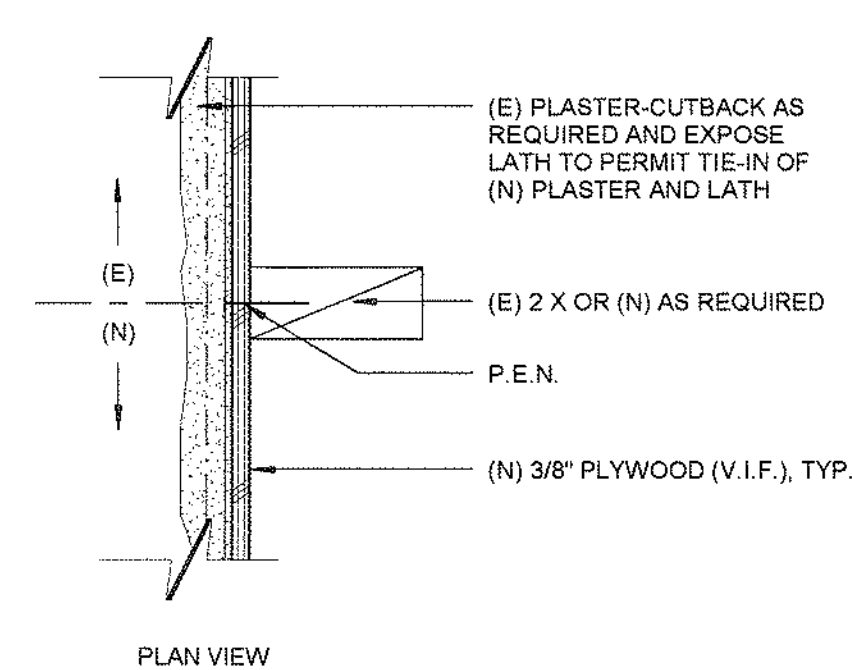
12 MECH EQUIPMENT CURB

3" = 1'-0"



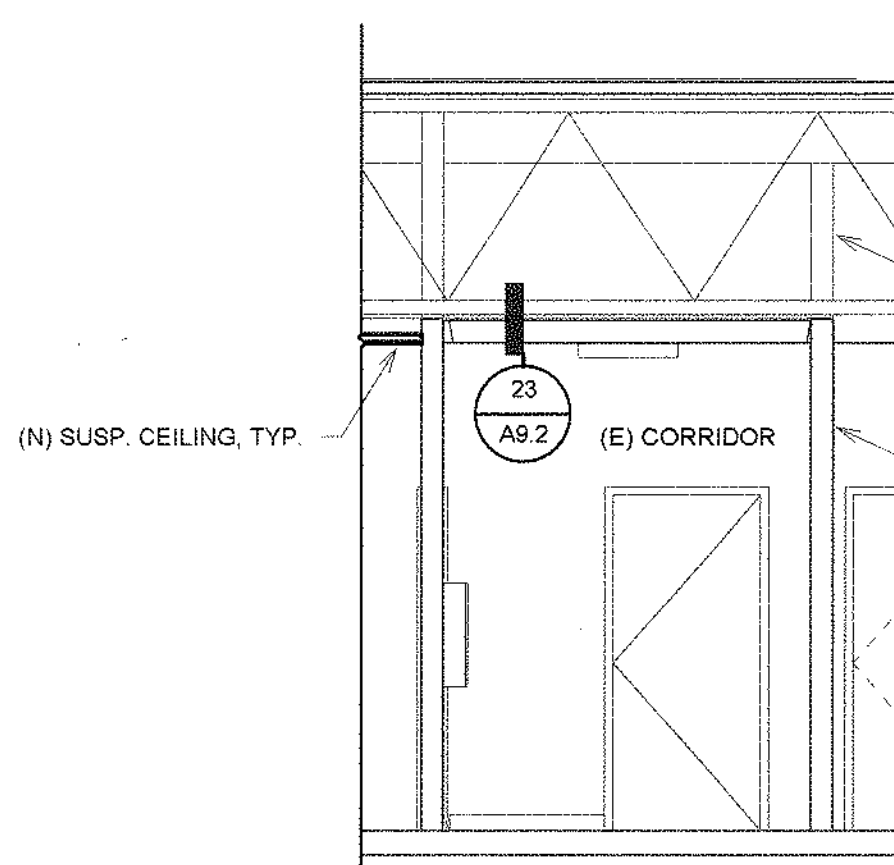
13 MECH EQPT. CURB @ CANTILEVER BM.

3" = 1'-0"



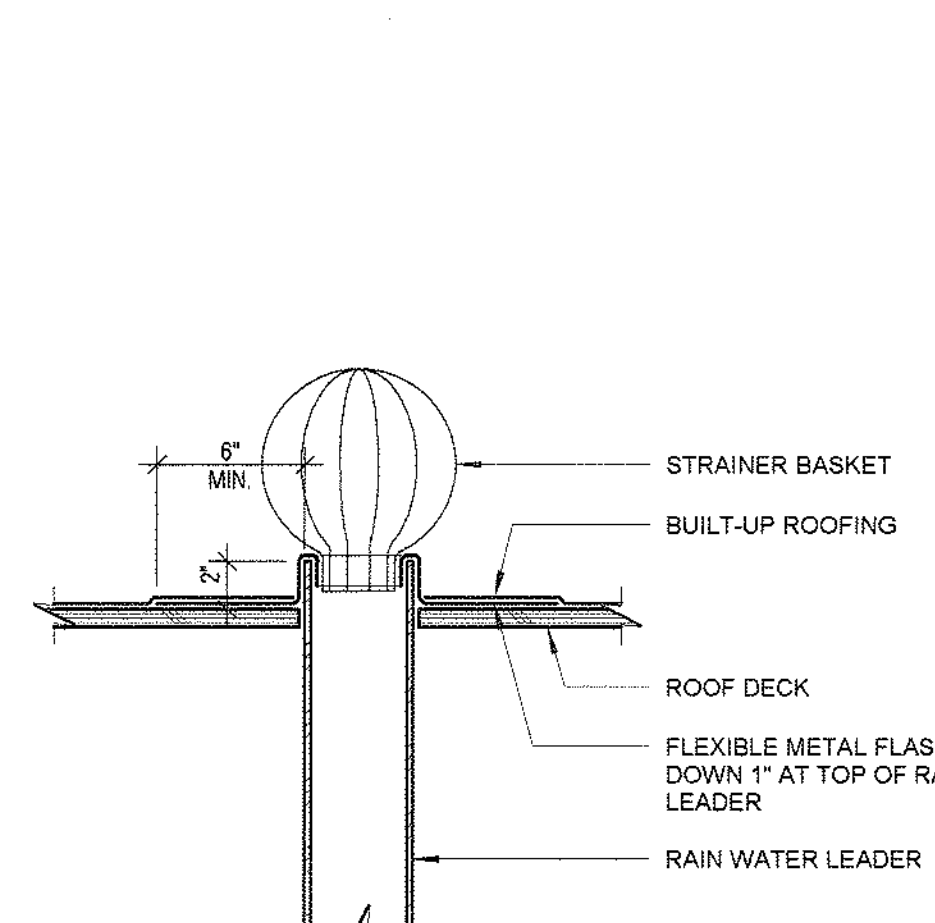
14 PLASTER SCREEN WALL REPAIR

3" = 1'-0"



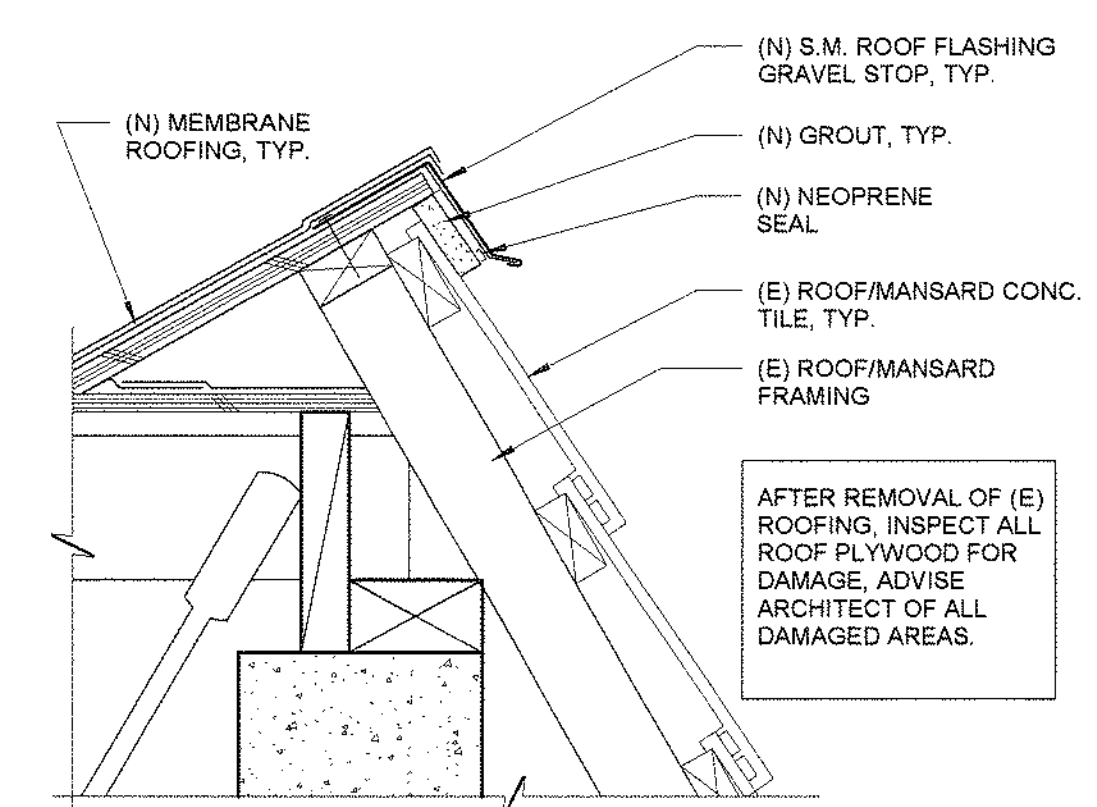
15 1-HR CORRIDOR SECTION, TYP.

1/4" = 1'-0"



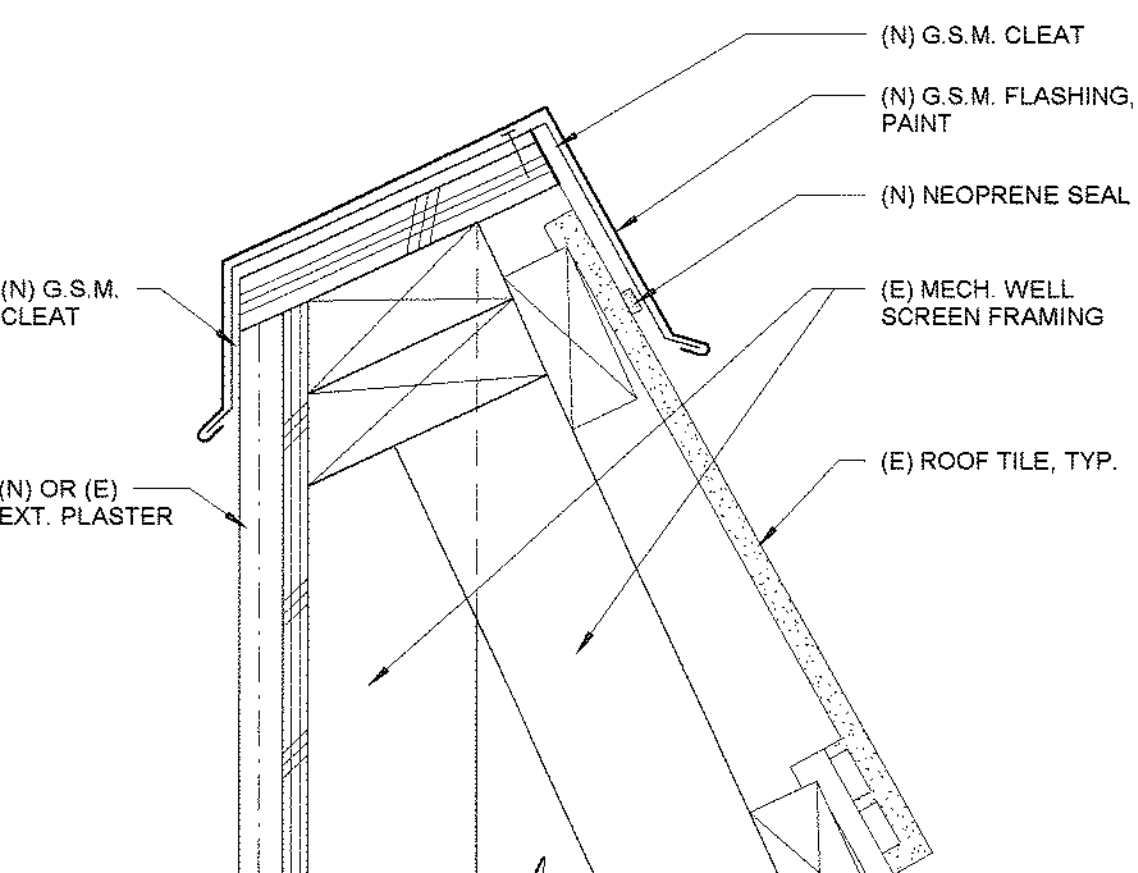
7 OVERFLOW DRAIN

1 1/2" = 1'-0"



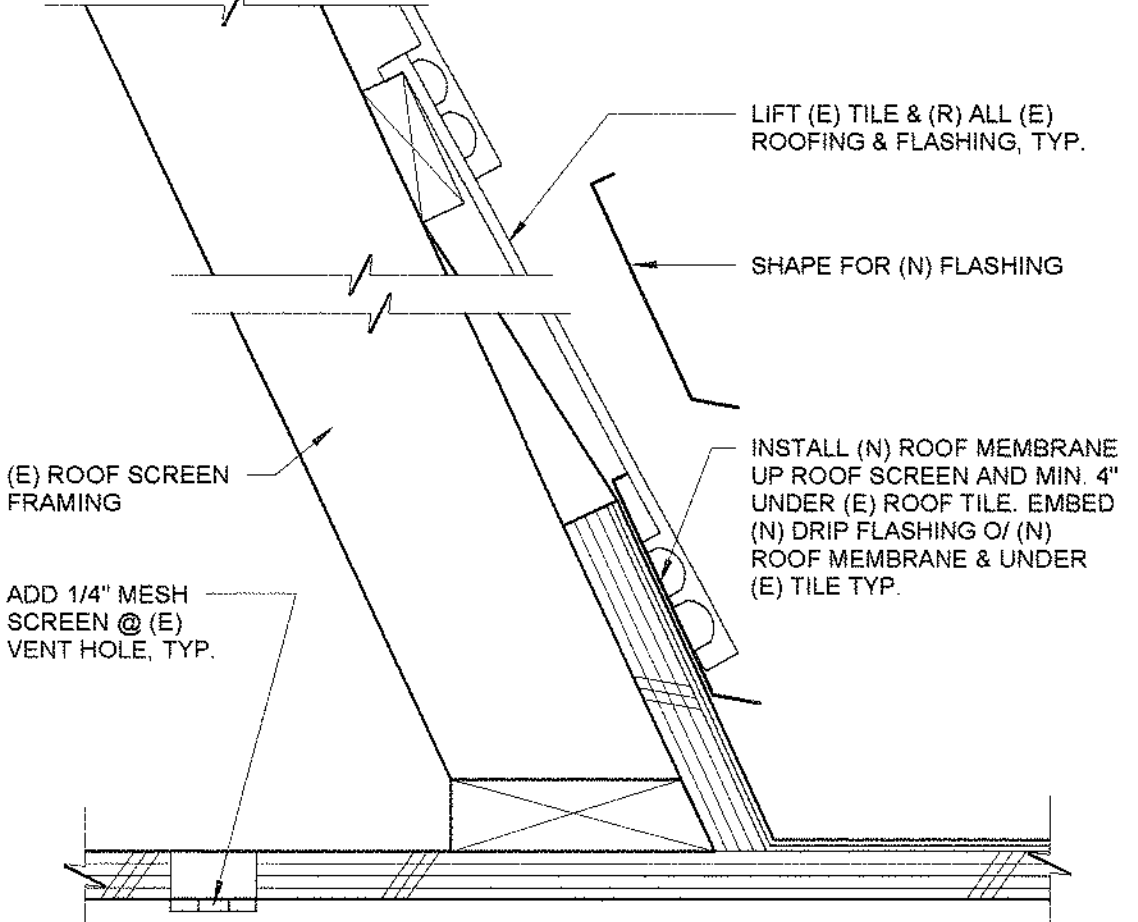
8 MANSARD RIDGE CAP

1 1/2" = 1'-0"



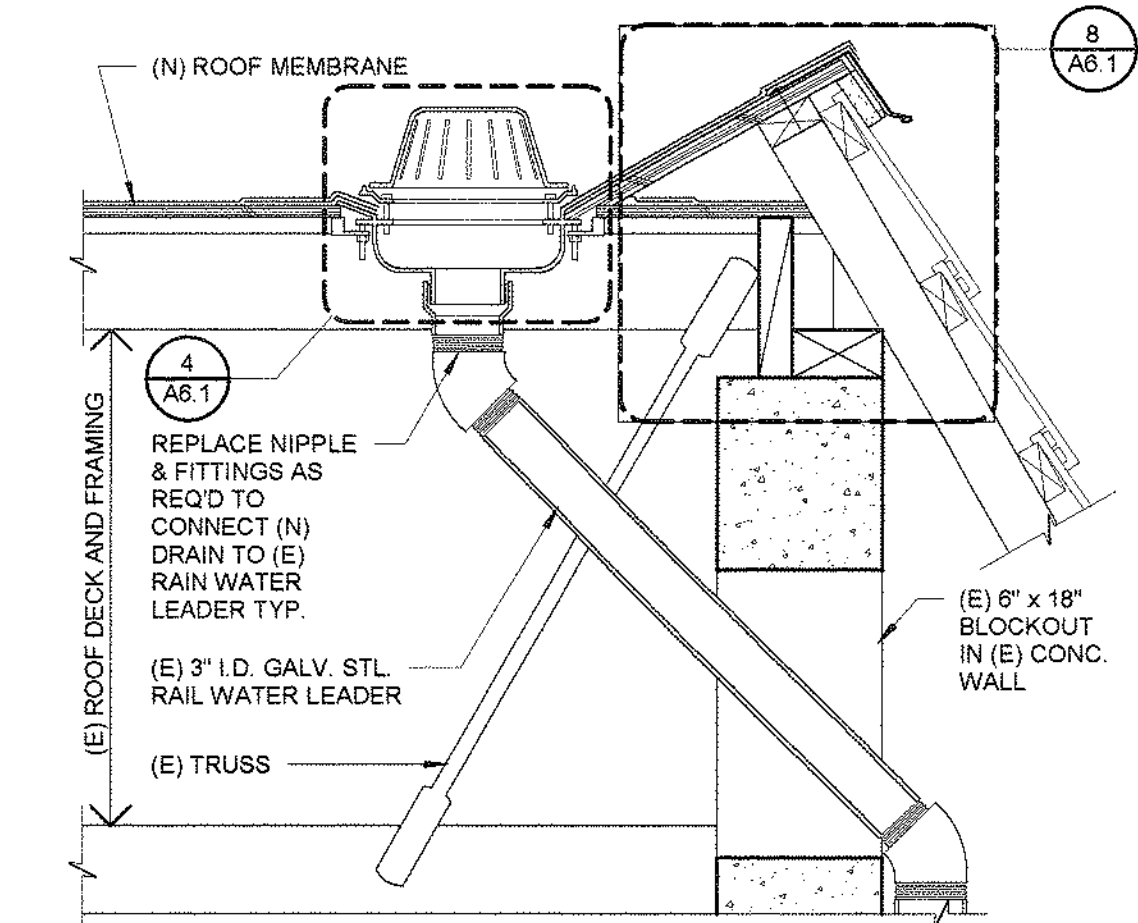
9 MECH SCREEN CAP FLASH. REPLACEMENT

3" = 1'-0"



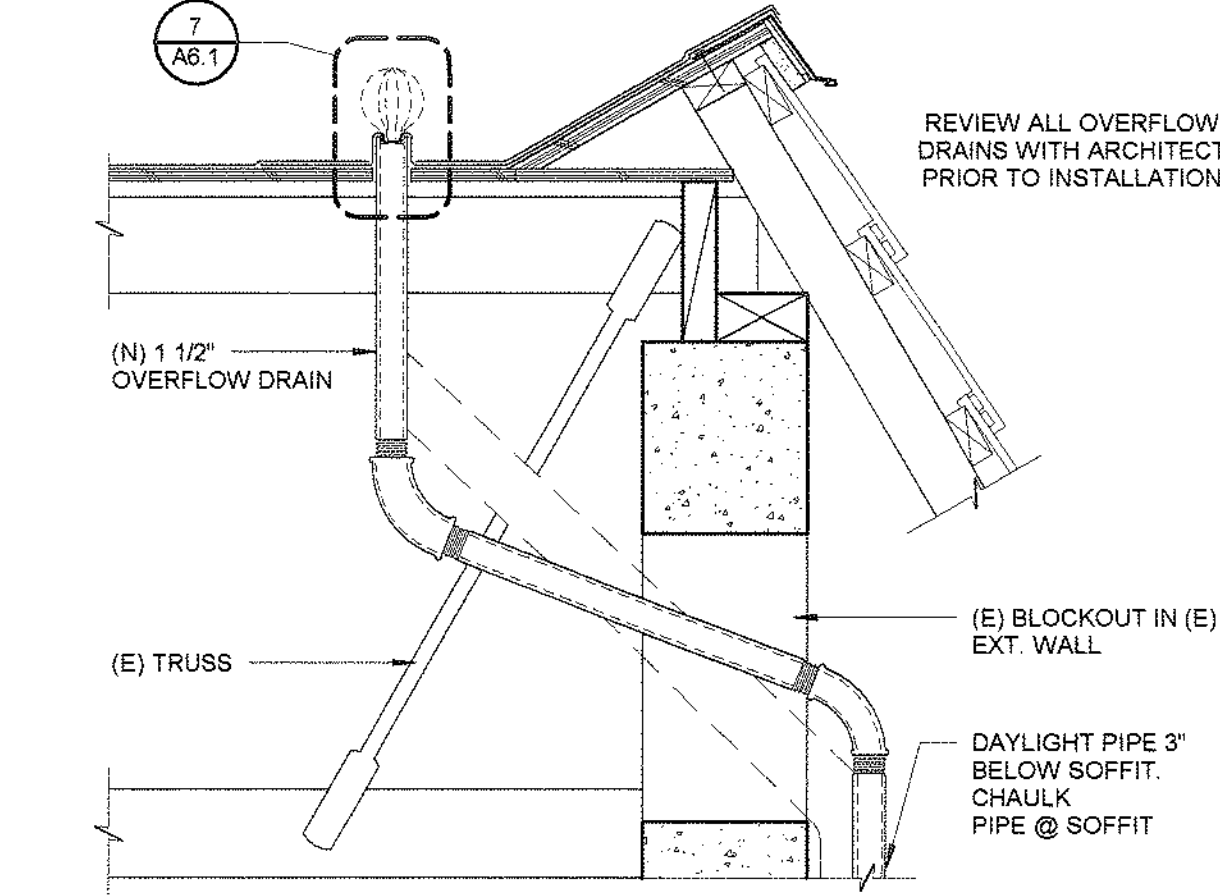
10 ROOF SCREEN BASE

3" = 1'-0"



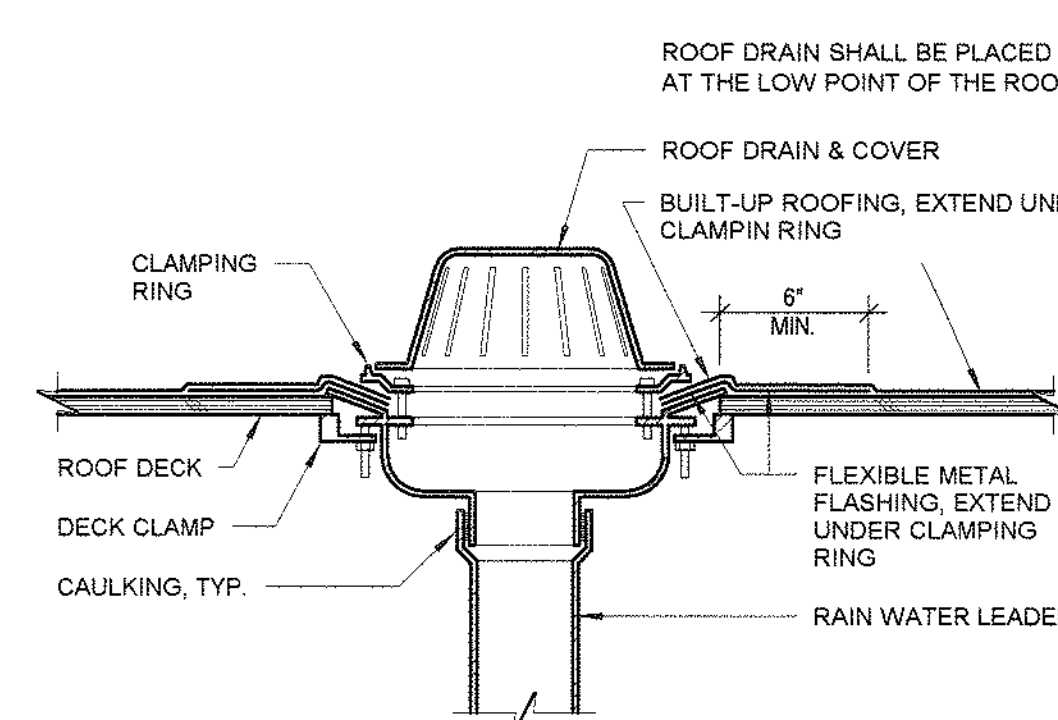
2 REPLACEMENT OF (E) ROOF DRAINS

1" = 1'-0"



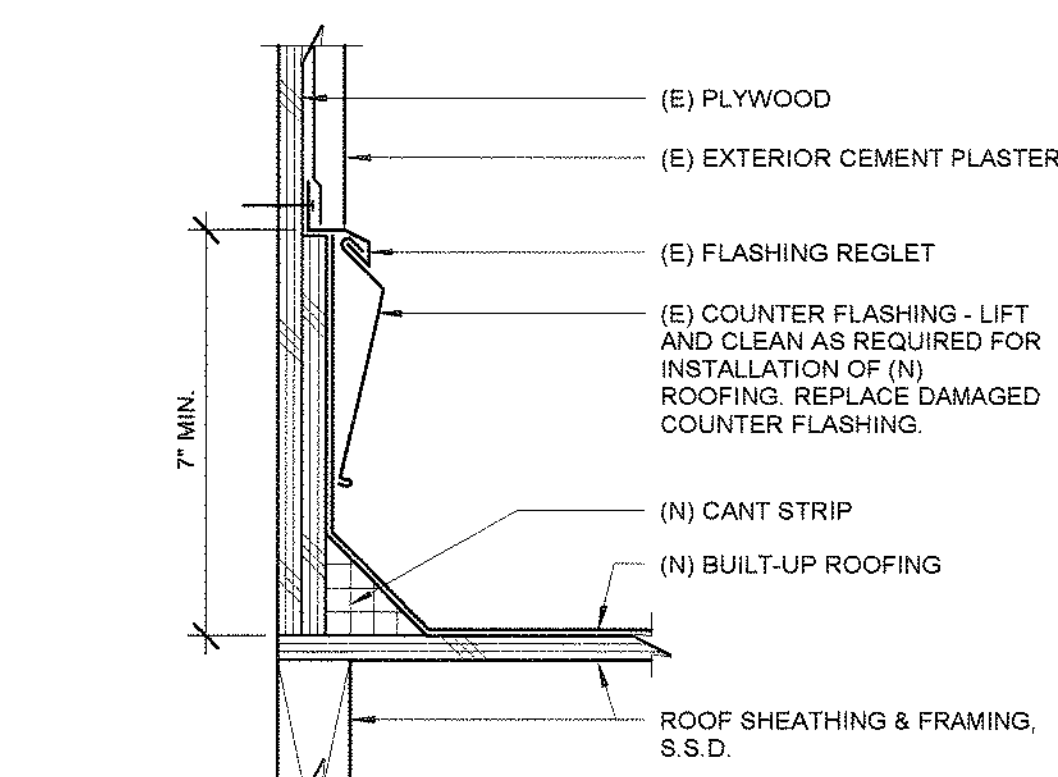
3 ADDITION OF (N) OVERFLOW DRAIN

1" = 1'-0"



4 (N) ROOF DRAIN

1 1/2" = 1'-0"

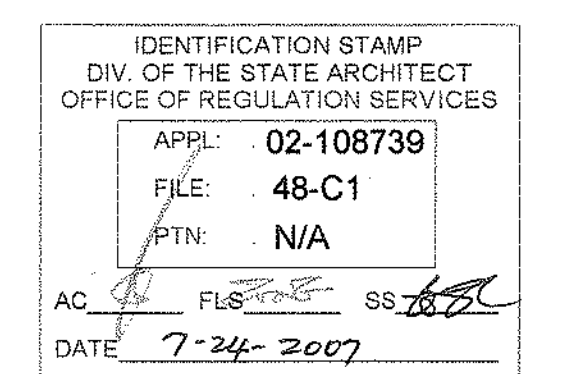
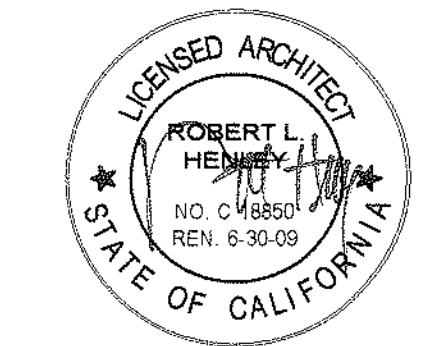


5 WALL FLASHING REGLET

3" = 1'-0"



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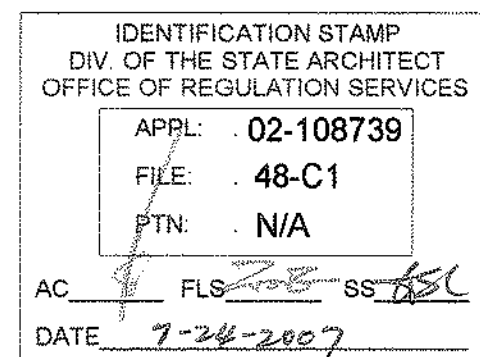
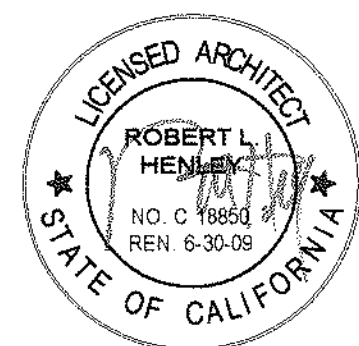
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SP
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REVISIONS:

ROOF PLAN & SECTIONS

A6.1



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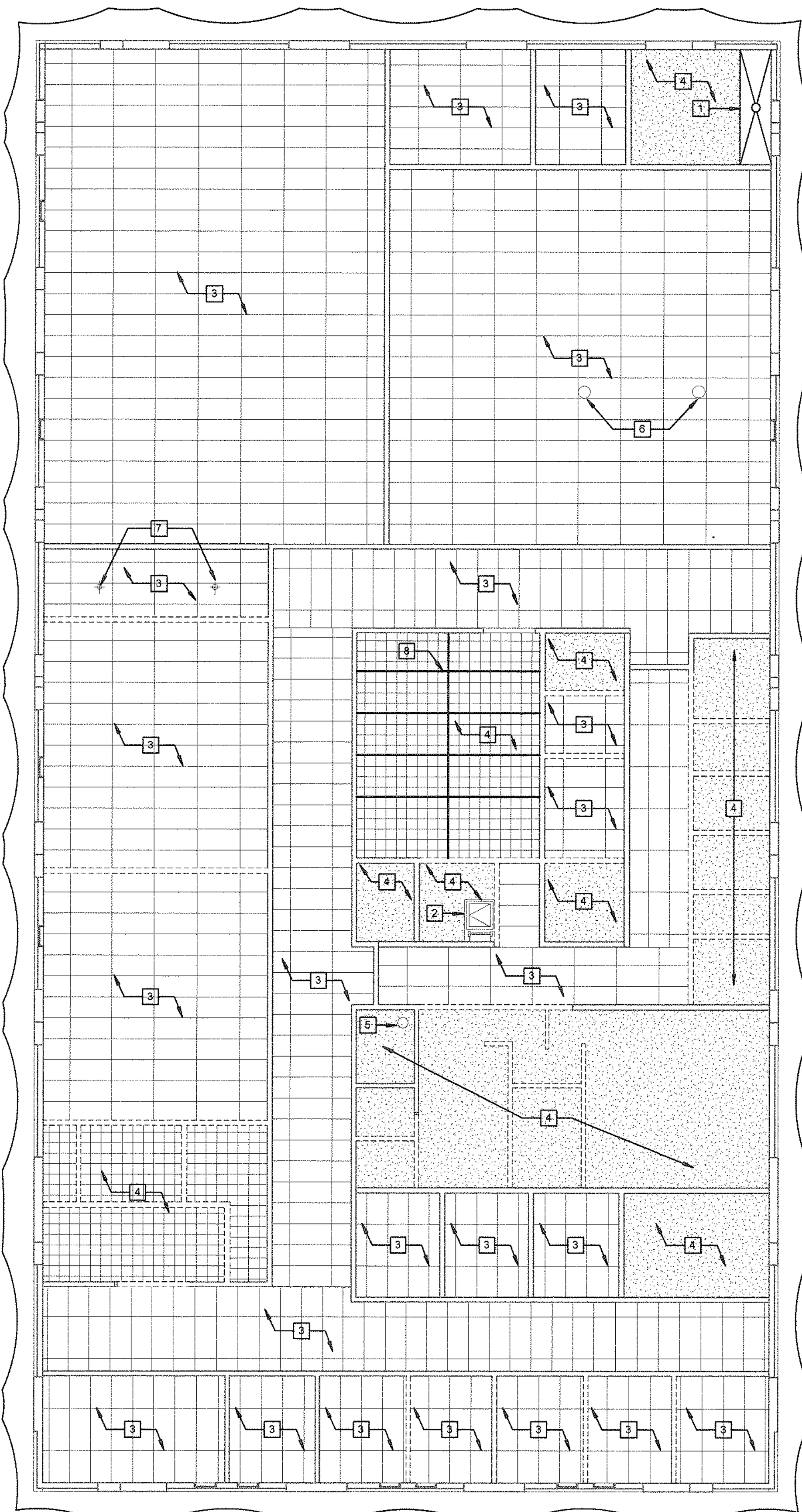
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REVISIONS

NEW & DEMO REFLECTED
CEILING PLANS

A6.2



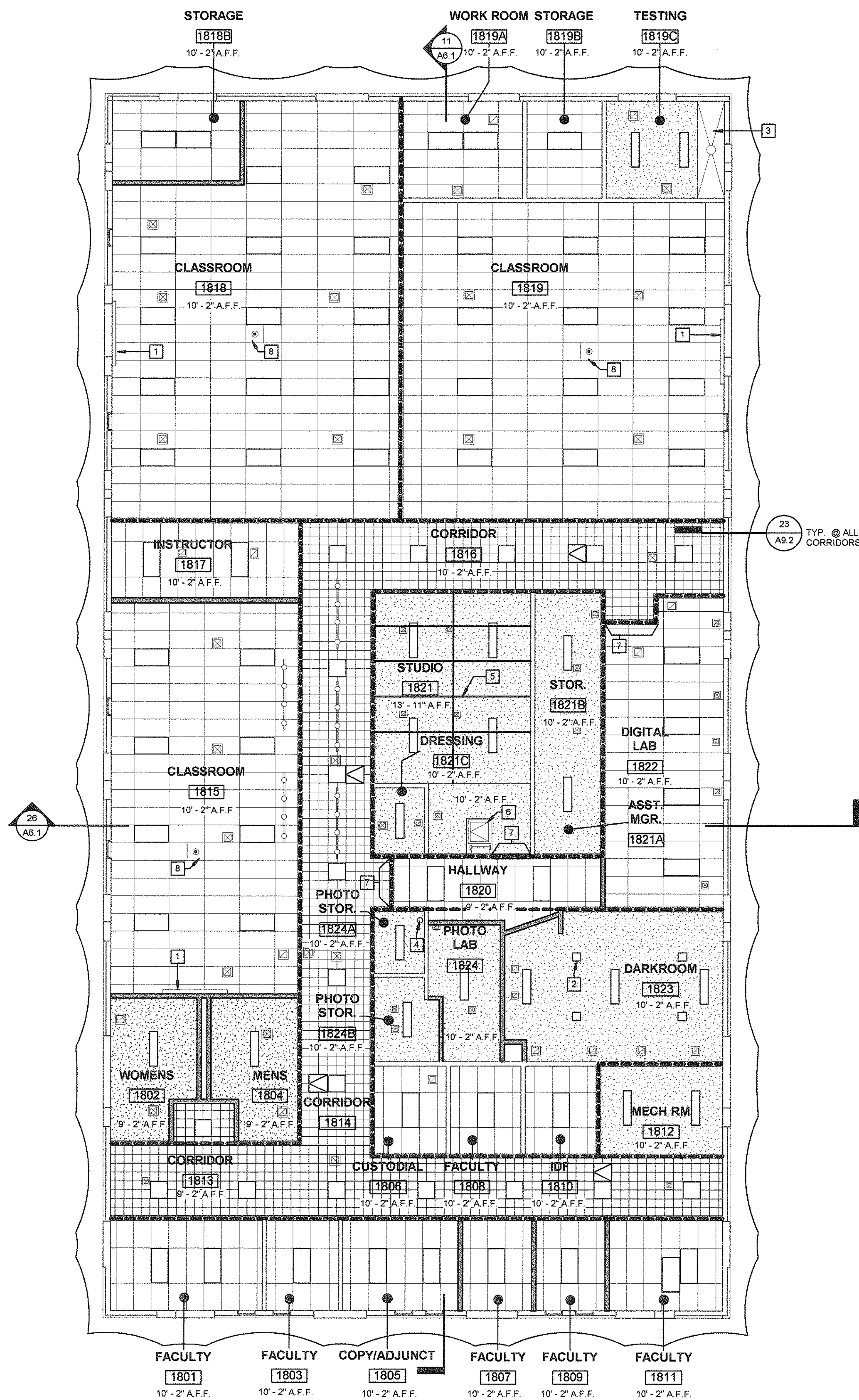
2 Demo RCP
1/8" = 1'-0"

RCP DEMO WORK NOTES

- (E) HOOD TO BE REMOVED, STORED AND REINSTALLED.
- (E) ROOF HATCH, TO REMAIN.
- REMOVE (E) SUSPENDED CLG. COMPLETE
- REMOVE (E) GYP. BD. CLG. TO FRAMING. REMOVE (E) ACT. WHERE OCCURS.
- REMOVE (E) ADJ. FUME HOOD AND STORE FOR REINSTALLATION
- REMOVE OVERHEAD COMPRESSED AIR HOSE REELS AND STORE FOR REINSTALLATION
- REMOVE (E) FIRE SPRINKLER HEADS, CAP ABOVE CLG.
- REMOVE (E) LIGHT RACEWAY AND STORE FOR REINSTALLATION

GENERAL RCP DEMO NOTES

- REMOVE ALL (E) CLG. MOUNTED LIGHT FIXTURES, TYP.



1 New RCP
1/8" = 1'-0"

RCP NEW WORK NOTES

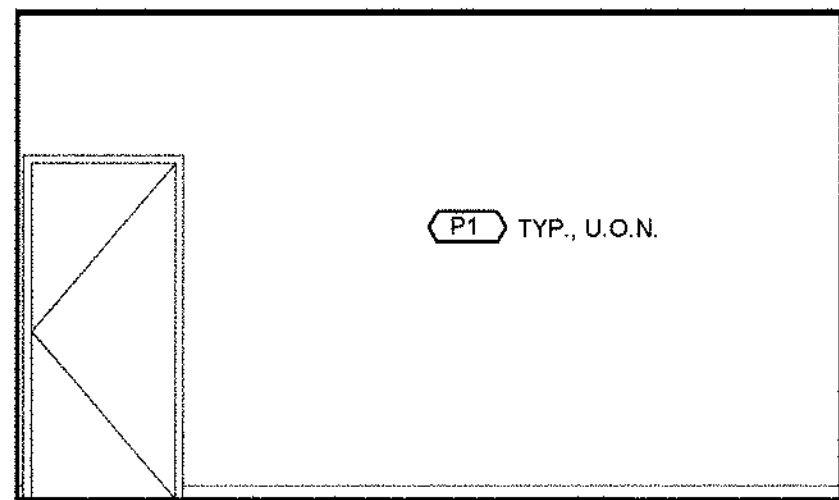
- (N) WALL MOUNTED PROJECTOR SCREEN, SEE INTERIOR ELEVATIONS FOR LOCATIONS
- INSTALL DISTRICT FURNISHED SAFE LIGHTS, TYP. OF 4
- REINSTALL FUME HOOD COMPLETE AND CONNECT TO (N) EXHAUST FAN, S.M.D.
- REINSTALL ADJUSTABLE FUME HOOD AND CONNECT TO (N) EXHAUST FAN, S.M.D.
- REINSTALL LIGHT BARR. IN PREVIOUS LOCATION
- (E) ROOF HATCH, PAINT.
- ADD (N) 5/8" TYPE "X" GYP. BD. WALL DRAFT STOP.
- 2X2' PROJECTOR MOUNT CEILING ADAPTER SEE 12 A6.2 SIM. FOR MOUNTING REQUIREMENTS. MAX. PROJECTOR WEIGHT =50LBS.

GENERAL RCP NEW WORK NOTES

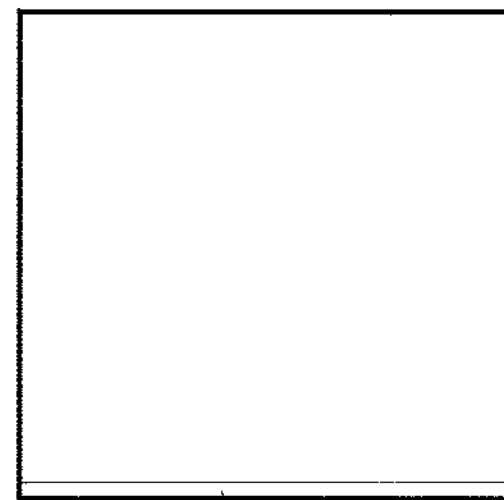
- SEE FIRE ALARM DRAWINGS FOR CLG. MOUNTED FIRE ALARM DEVICES.
- COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND NUMBER OF CLG. MOUNTED FIXTURES & DEVICES, TYP.

CEILING LEGEND

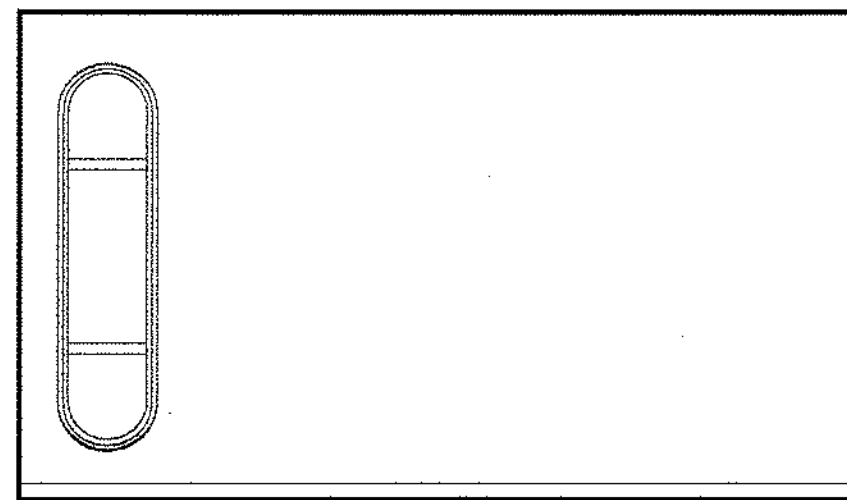
- 2X4 ACOUSTICAL TILE
- 1X1 ACOUSTICAL TILE OR GYP. BOARD
- GYP. BD. OR (E) CEILING FRAMING.
- LIGHT FIXTURES, S.E.D.
- DOWNLIGHT, S.E.D.
- TRACK LIGHTING, S.E.D.
- SUSPENDED PENDANT FIXTURES
- (N) CLG. MOUNTED PROJECTOR, SEE NOTE 8 OF RCP NEW WORK NOTES FOR MOUNTING, S.E.D.
- (E) FIRE SPRINKLERS, TO BE REMOVED
- SUPPLY REGISTER, S.E.D. & S.M.D.
- RETURN REGISTER, S.E.D. & S.M.D.
- EXHAUST REGISTER, S.E.D. & S.M.D.
- ABOVE CLG. ACCESS HATCH FOR CLG. ACCESS HATCHES IN RATED CORRIDORS SEE, 14 1/2" x 24" x 20" A6.2
- (E) ATTIC DRAFT STOPS, 5/8" TYPE "X" GYP. BD. WALL (BASED ON ORIGINAL DSA APP'D DRAWINGS) REPAIR DRAFT STOP WHERE AFFECTED BY WORK OF THIS PROJECT. TYP. SEE DRAWING NOTE #7 FOR ADDITIONAL INFORMATION.



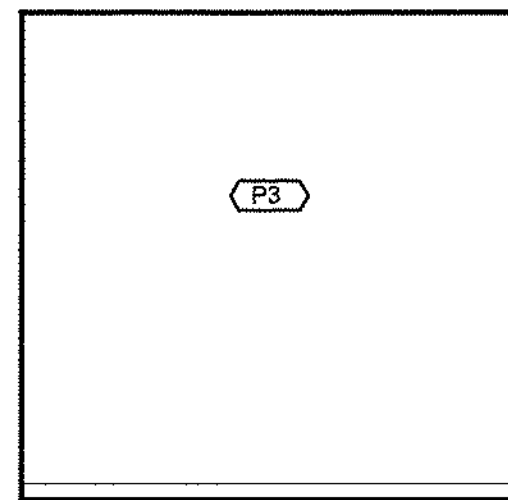
NORTH



EAST



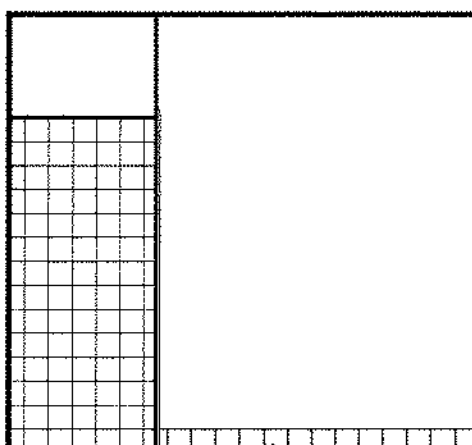
SOUTH



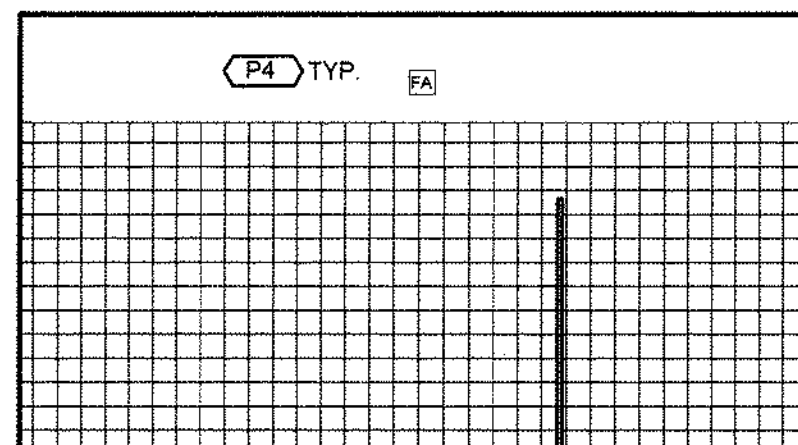
WEST

FACULTY 1801

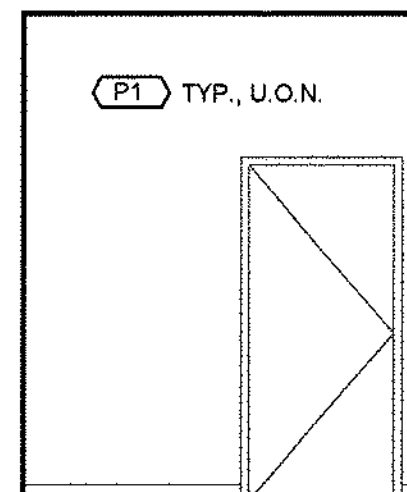
1/4" = 1'-0"



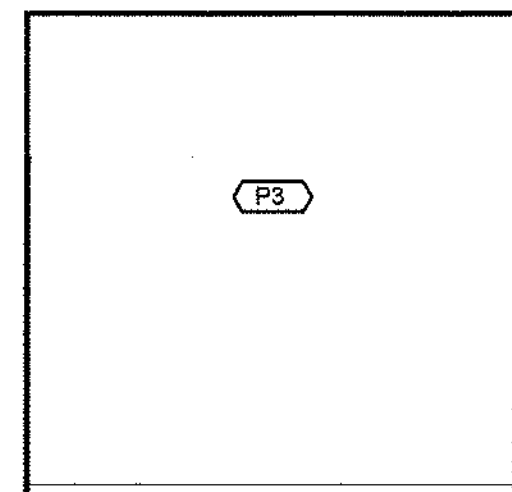
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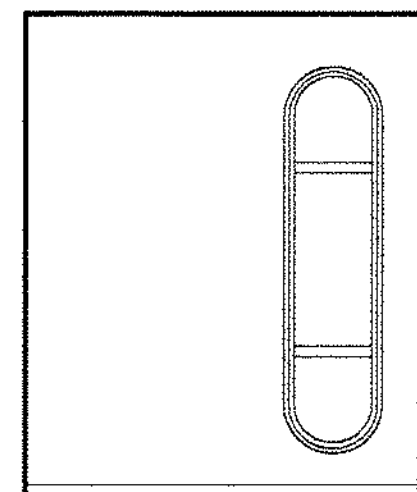
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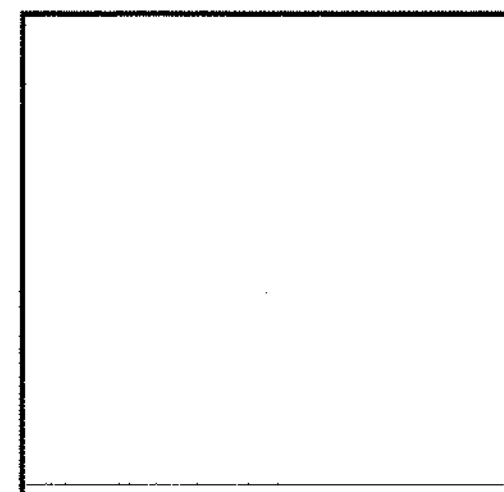
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EAST



SOUTH



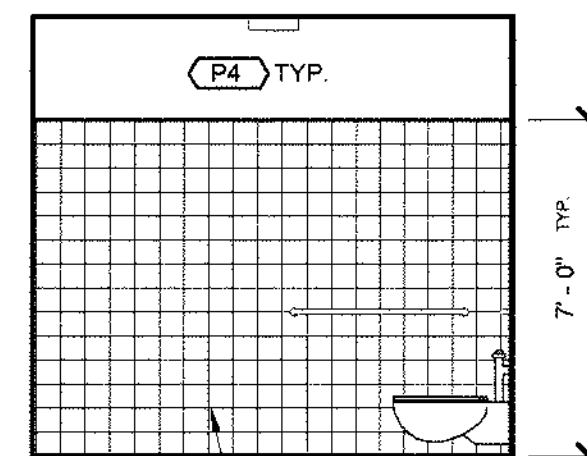
WEST

WOMEN'S RESTROOM 1802 CONT'D

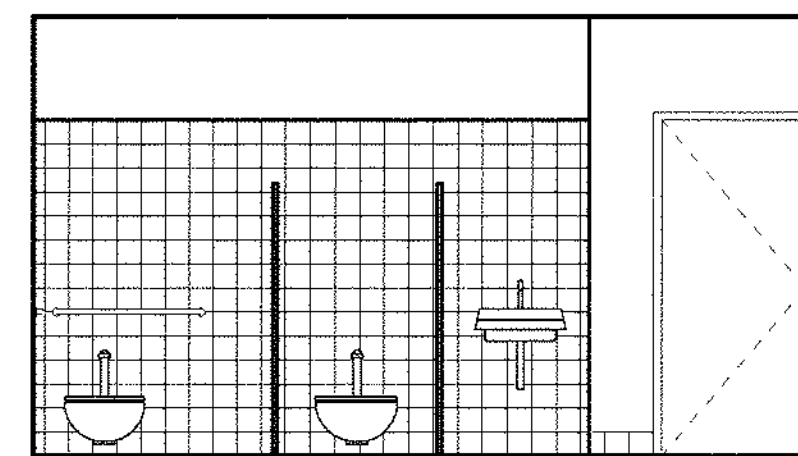
1/4" = 1'-0"

FACULTY 1803

1/4" = 1'-0"



NORTH

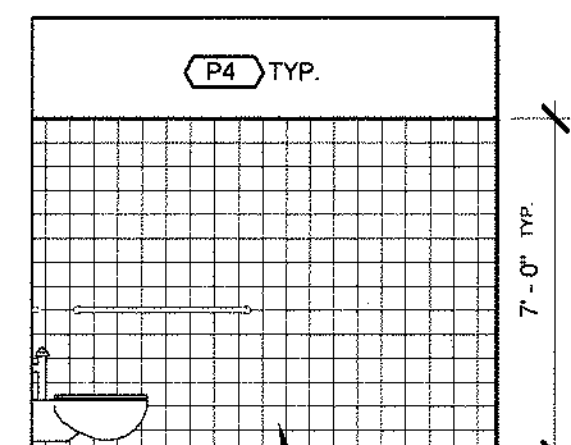


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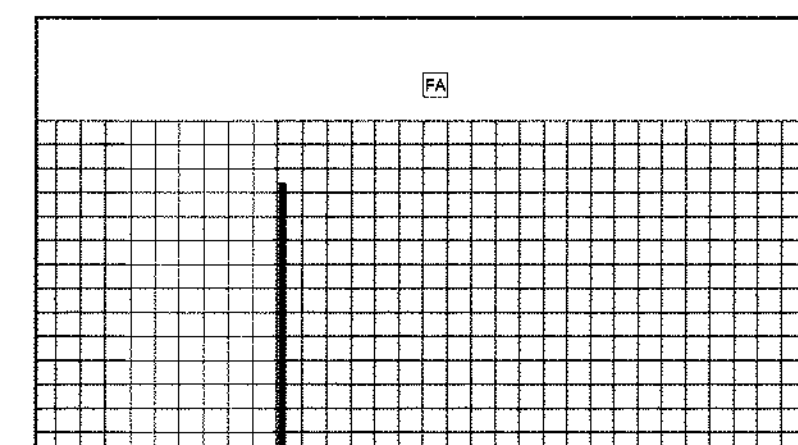
WOMEN'S RESTROOM 1802

SEE 22/A9.3 FOR TYP. TOILET ROOM ACCESSIBILITY NOTES

1/4" = 1'-0"



NORTH

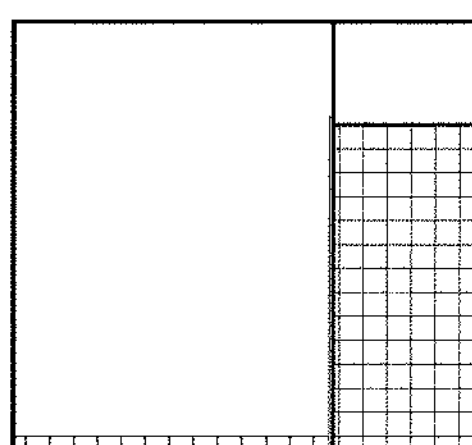


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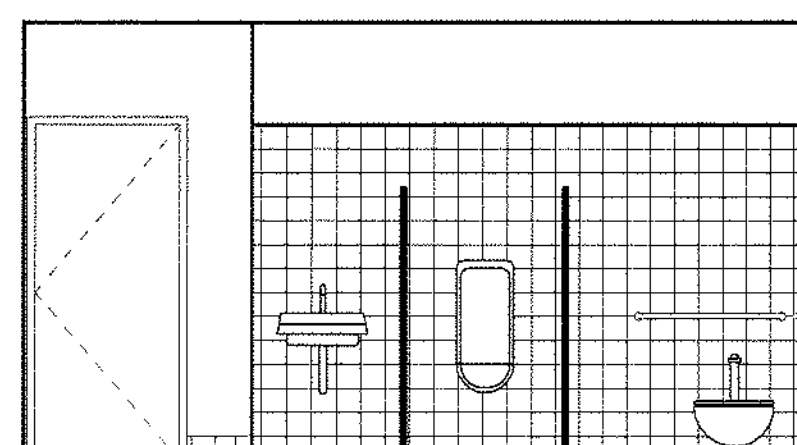
MEN'S RESTROOM 1804

SEE 22/A9.3 FOR TYP. ACCESSIBILITY DETAILS

1/4" = 1'-0"



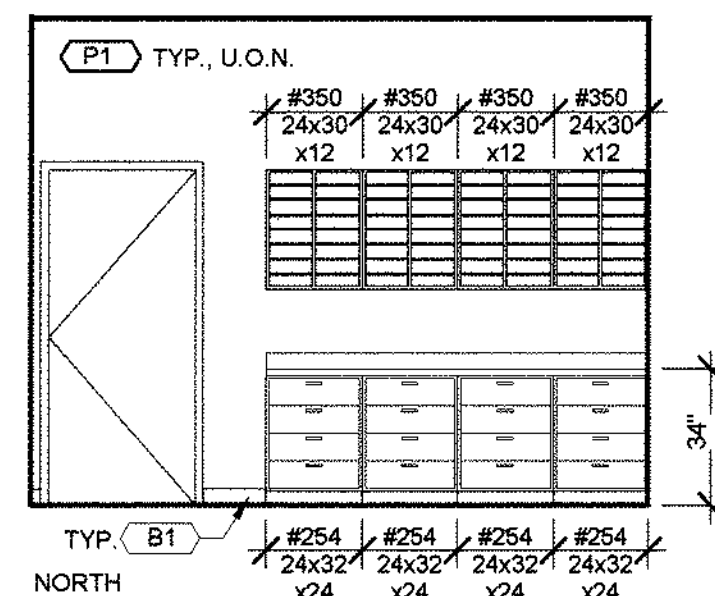
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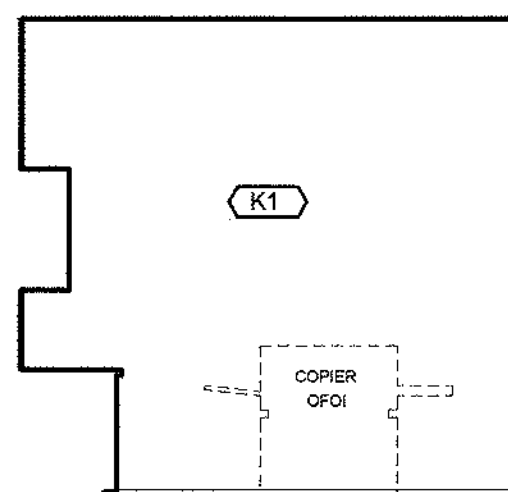
WEST

MEN'S RESTROOM 1804 CONT'D

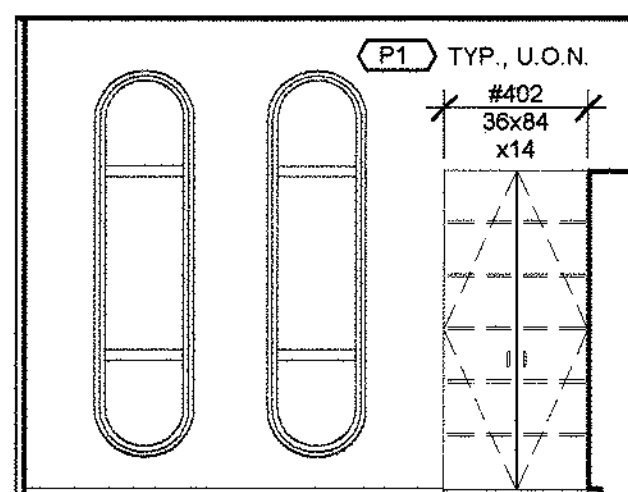
1/4" = 1'-0"



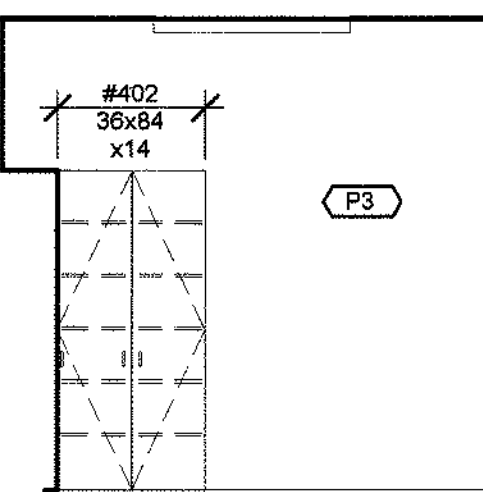
1/4" = 1'-0"



EAST

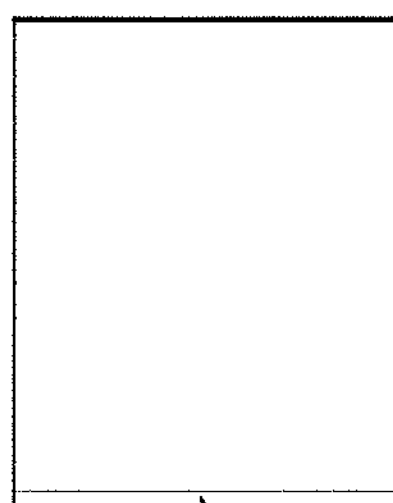


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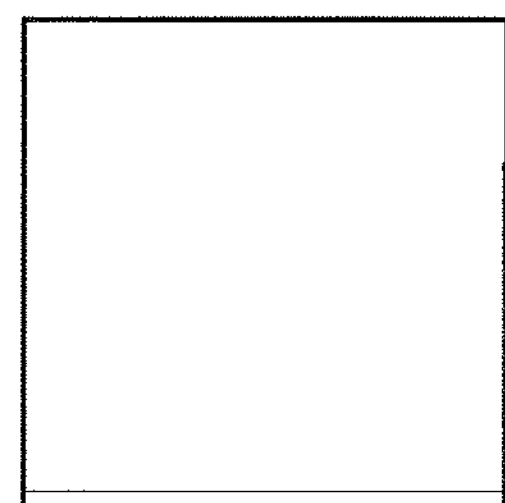


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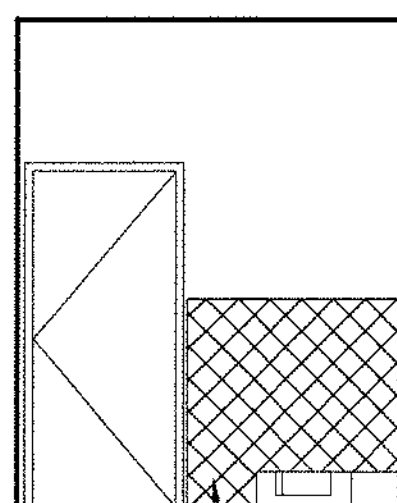
COPY/ADJUNCT 1805



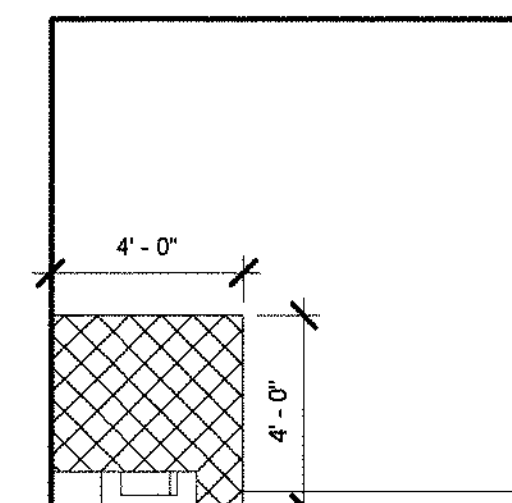
NORTH



EAST



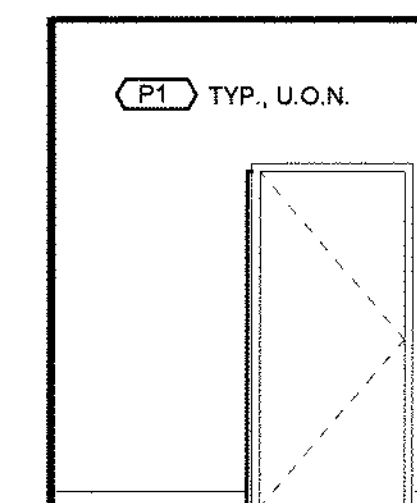
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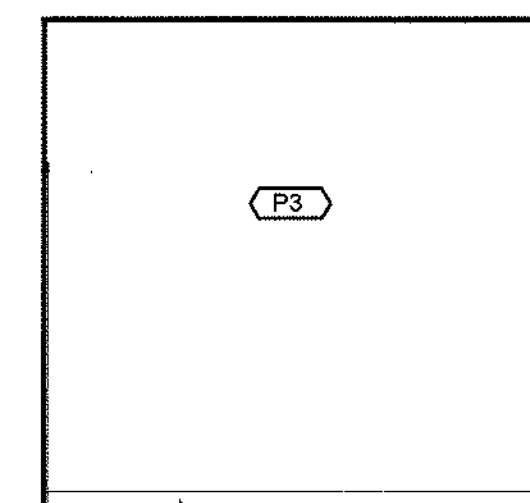
WEST

CUSTODIAL 1806

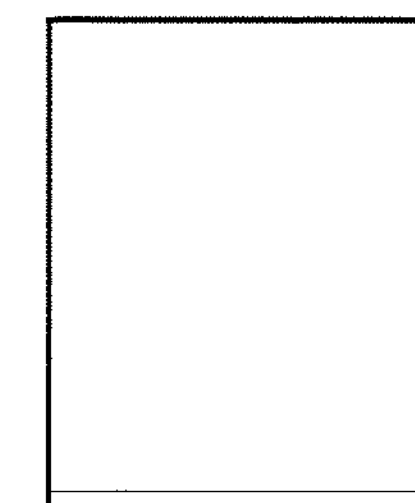
1/4" = 1'-0"



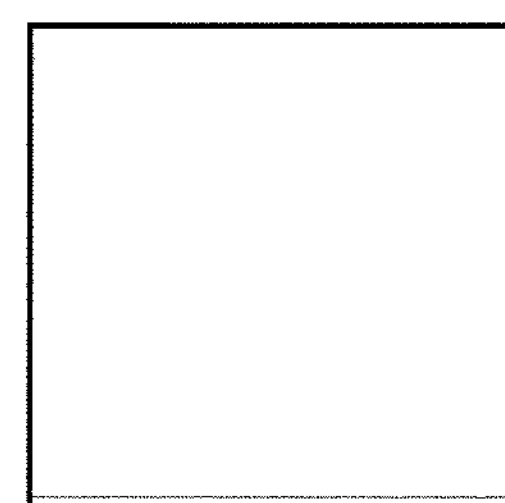
NORTH



EAST



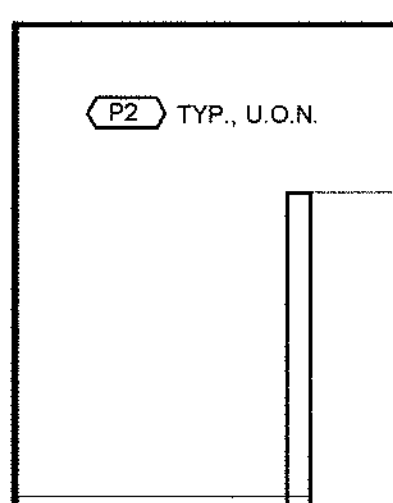
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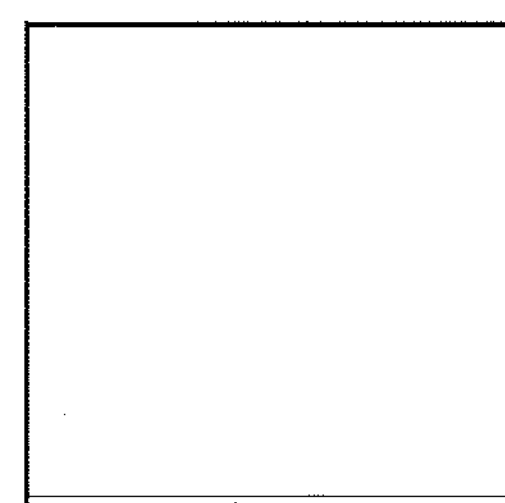
WEST

FACULTY 1807

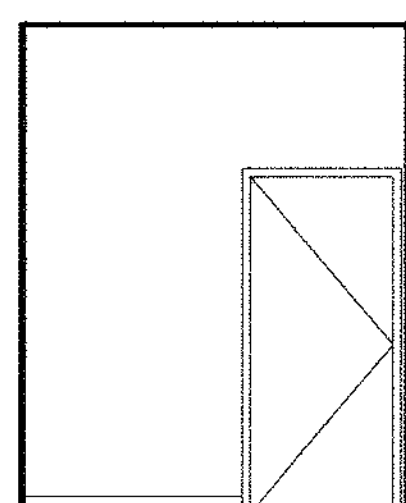
1/4" = 1'-0"



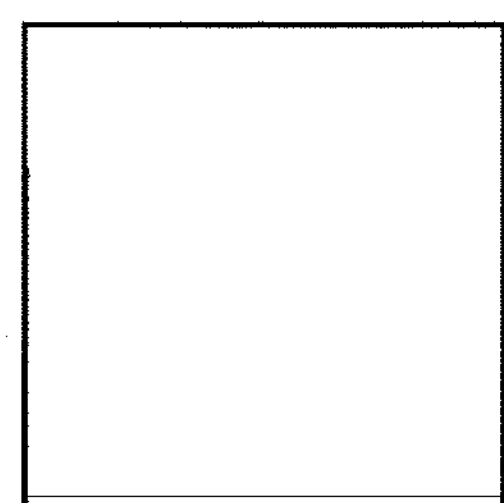
NORTH



EAST



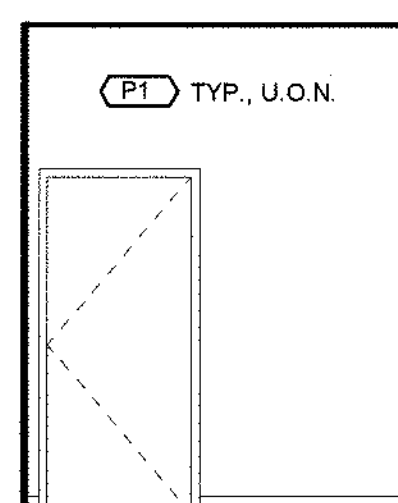
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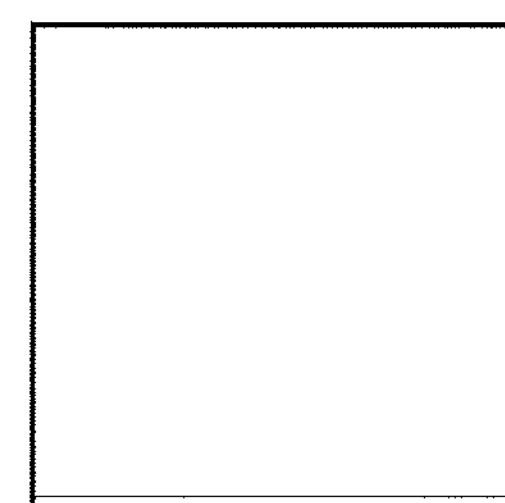
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FACULTY 1808

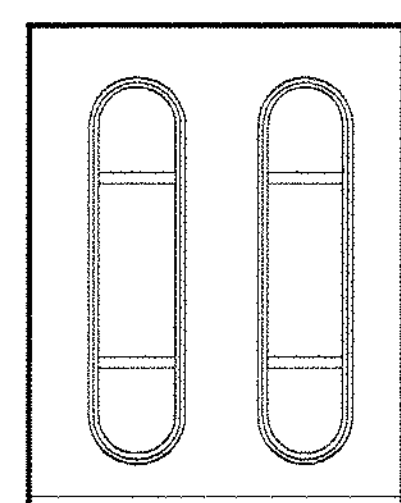
1/4" = 1'-0"



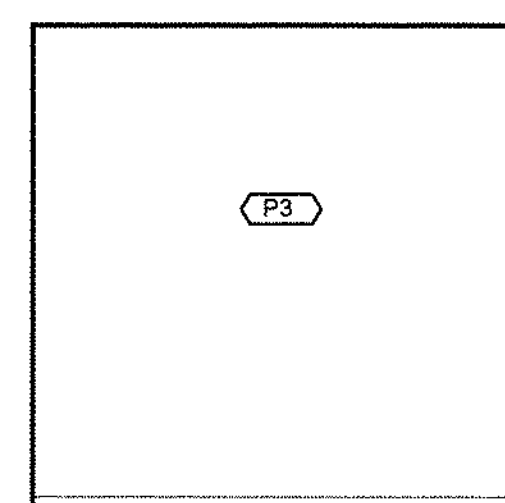
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EAST



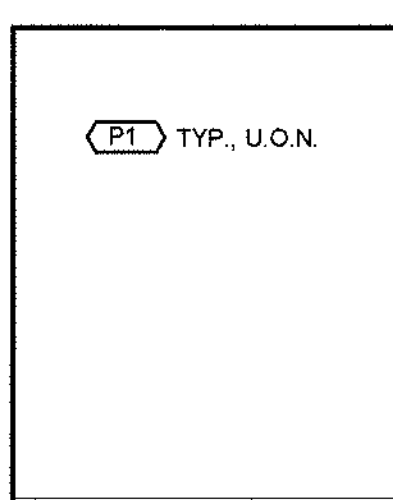
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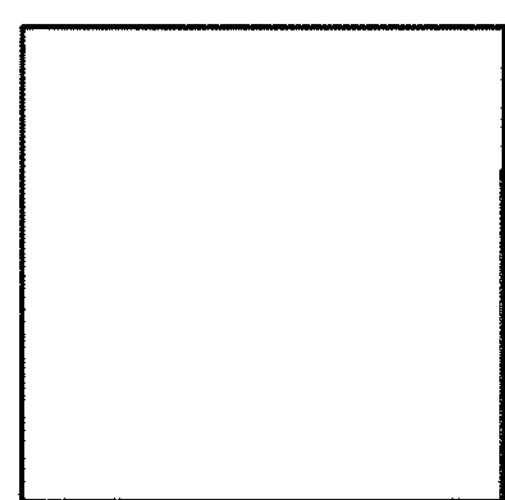
WEST

FACULTY 1809

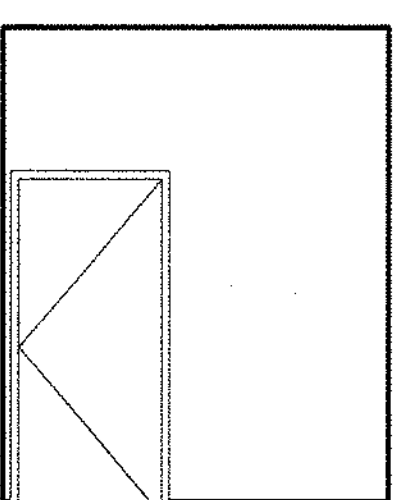
1/4" = 1'-0"



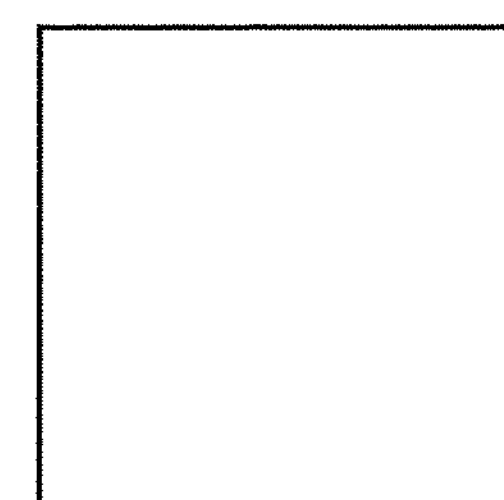
NORTH



EAST



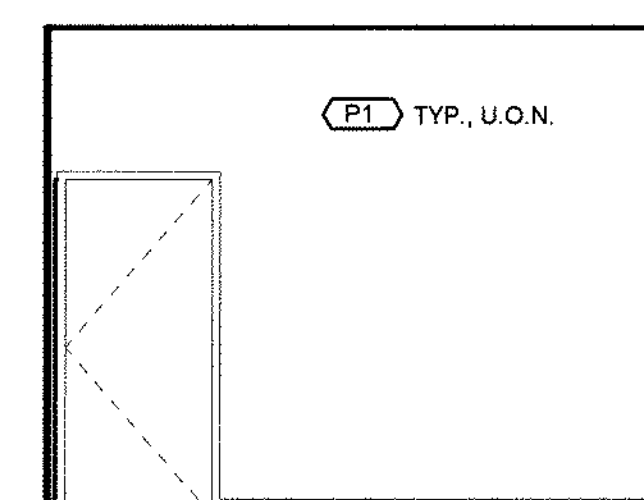
SOUTH



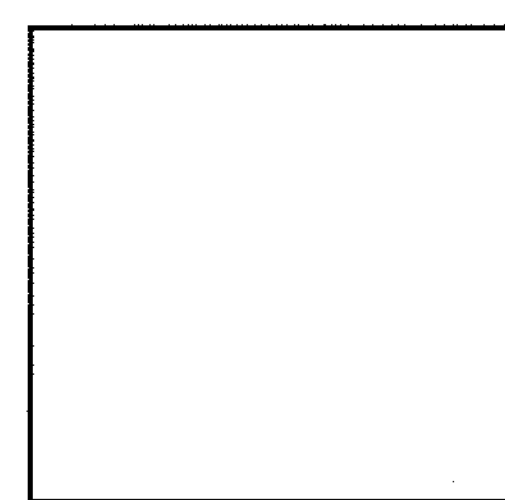
WEST

IDF 1810

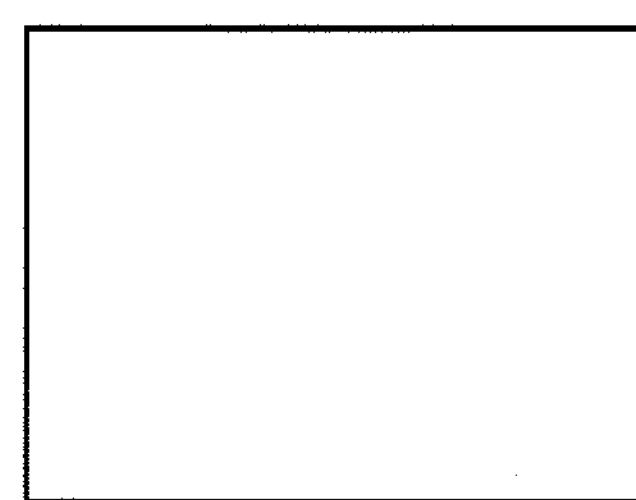
1/4" = 1'-0"



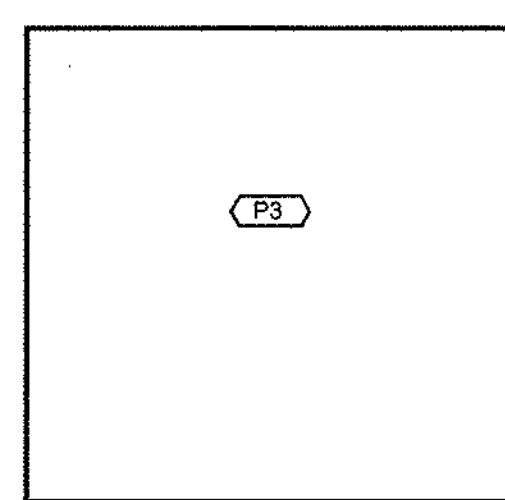
NORTH



EAST



SOUTH



WEST

FACULTY 1811

1/4" = 1'-0"

GENERAL NOTES

1. SEE A7.1 FOR WALL FINISH LEGEND
2. SEE A9.2 FOR TYP. CASEWORK DETAILS
3. ALL GYP WALLS PAINTED P-1, U.O.N.

WALL FINISH LEGEND

P-1	PAINT - TYPICAL	BENJAMIN MOORE OC-1 NATURAL WICKER
P-2	PAINT - PHOTO	DUNN EDWARDS DE228 PLAY ON GRAY
P-3	PAINT - ACCENT	BENJAMIN MOORE 2173-30 SALMON STREAM
P-4	PAINT - RESTROOM	BENJAMIN MOORE 2153-50 DESERT TAN
P-5	PAINT - DOOR FRAME	BENJAMIN MOORE 2134-30 IRON MOUNTAIN
P-6	PAINT - DOORS	BENJAMIN MOORE 2181-40 ACORN YELLOW
P-7	PAINT - TYP. CEILING	BENJAMIN MOORE 2145-70 COTTON BALLS
V-1	VINYL WC	LEN-TEX MILANO OYSTER 6661-M1 DIRECT APPLY
K-1	TACKWALL	LEN-TEX MILANO OYSTER 6661-M1 VINYL OTACKWALL
T-2	TILE	DAL TILE RITTENHOUSE SQUARE WHITE 0100
F-1	FRP	MARLITE "SILVER"
FA	FIRE ALARM DEVICE, SEE FA-DRAWINGS	

CASEWORK FINISH LEGEND

PL-1	TYPICAL CABINETS	MOORE OC-1 NATURAL WICKER
PL-2	TYPICAL COUNTERTOP	FORMICA 6620-58 MINERAL SPA
PL-3	DARKROOM CABINET DIVIDERS	FORMICA 628-58 MOUSE
PL-4	DARKROOM COUNTERTOP	NEVAMAR CHEMSURF COLOR BLACK

BULLETIN BOARD/ DISPLAY BOARD LEGEND

TYPE 1	CORRIDOR @ FACULTY OFFICE TYP.	18" W X 24" H
TYPE 2	CORRIDOR @ CLASSROOM	48" W X 36" H
TYPE 3	CORRIDOR @ INFORMATION	96" W X 48" H
TYPE 4	GLASS FRONT @ ENTRY	48" W X 48" H
TYPICAL FINISHES:		NATURAL ANODIZED ALUMINUM FRAME FABRIC OTACK SURFACE: LIDO COLOR HEMOSA



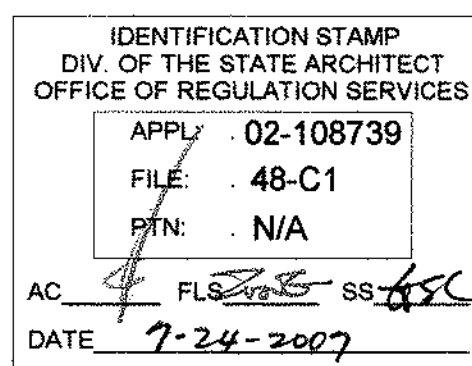
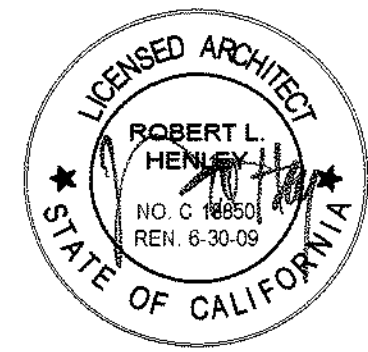
TLCD ARCHITECTURE

2300 Boynton Avenue, Suite 102

Fairfield, CA 94533

707 421-8795

FAX 707 421-8799



Solano Community
College Building
1800A
4000 Suisun Valley Road
Fairfield, Ca

Solano Community
College District
4000 Suisun Valley Road
Suisun, California

PROJECT NUMBER:

06047.00

DATE:

7/24/07

DRAWN BY:

SP

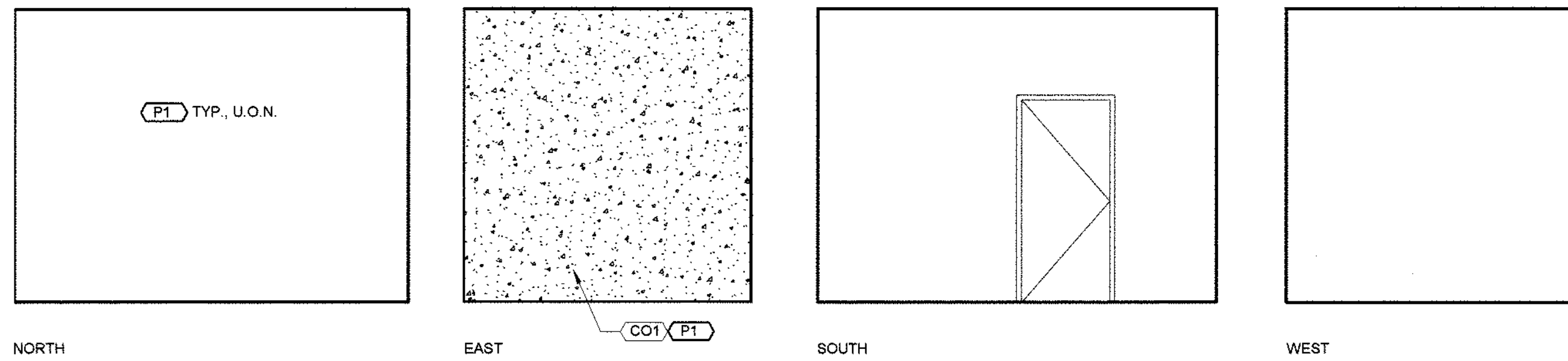
CHECKED BY:

CG

REVISIONS:

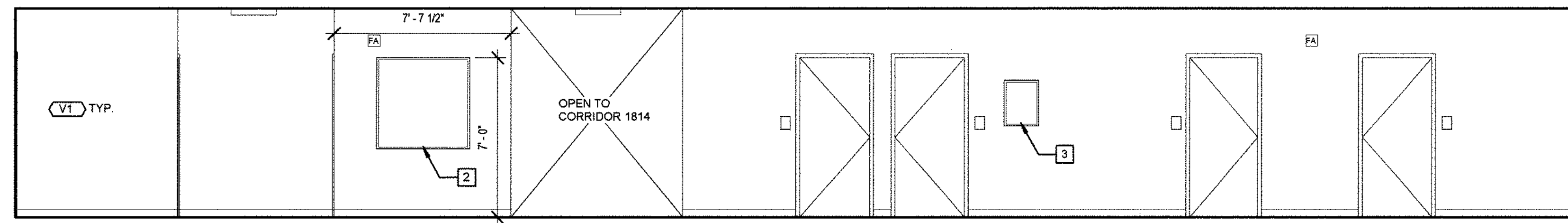
INTERIOR ELEVATIONS

A7.1



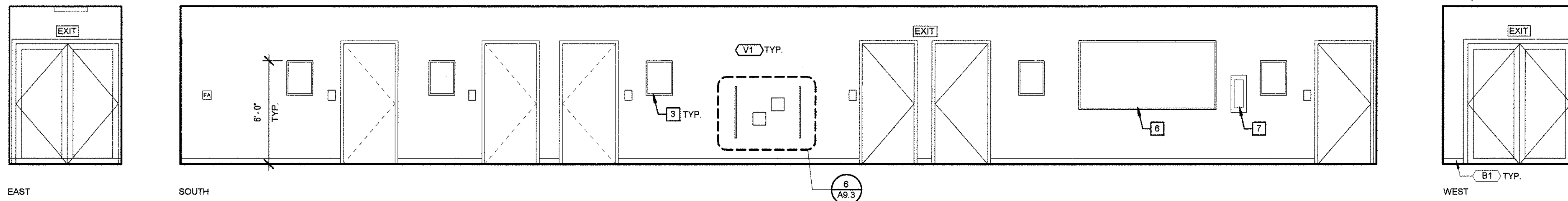
MECH. ROOM 1812

1/4" = 1'-0"



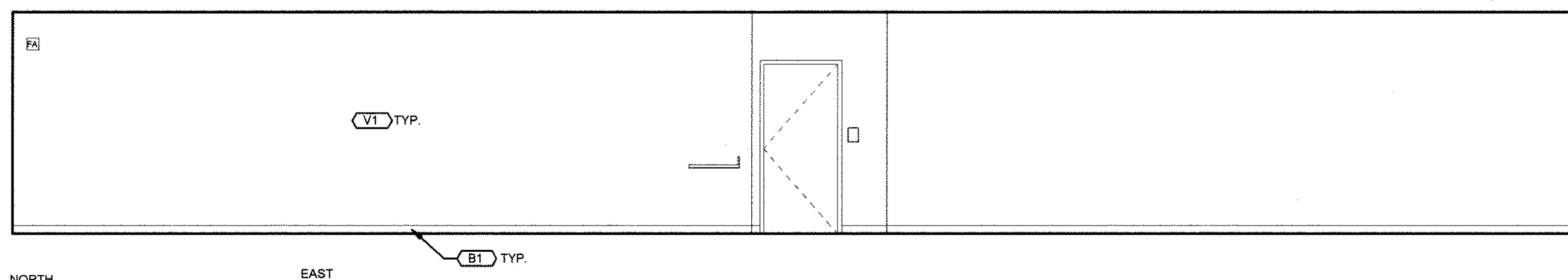
CORRIDOR 1813

1/4" = 1'-0"



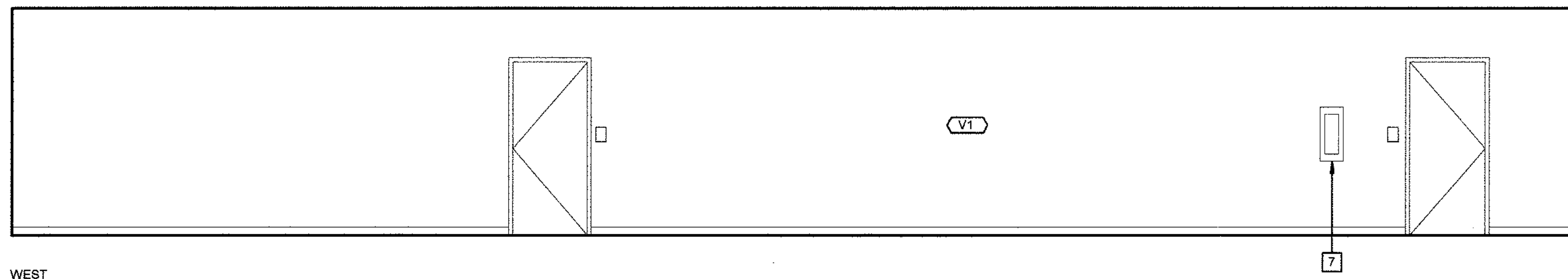
CORRIDOR 1813 CONT'D

1/4" = 1'-0"



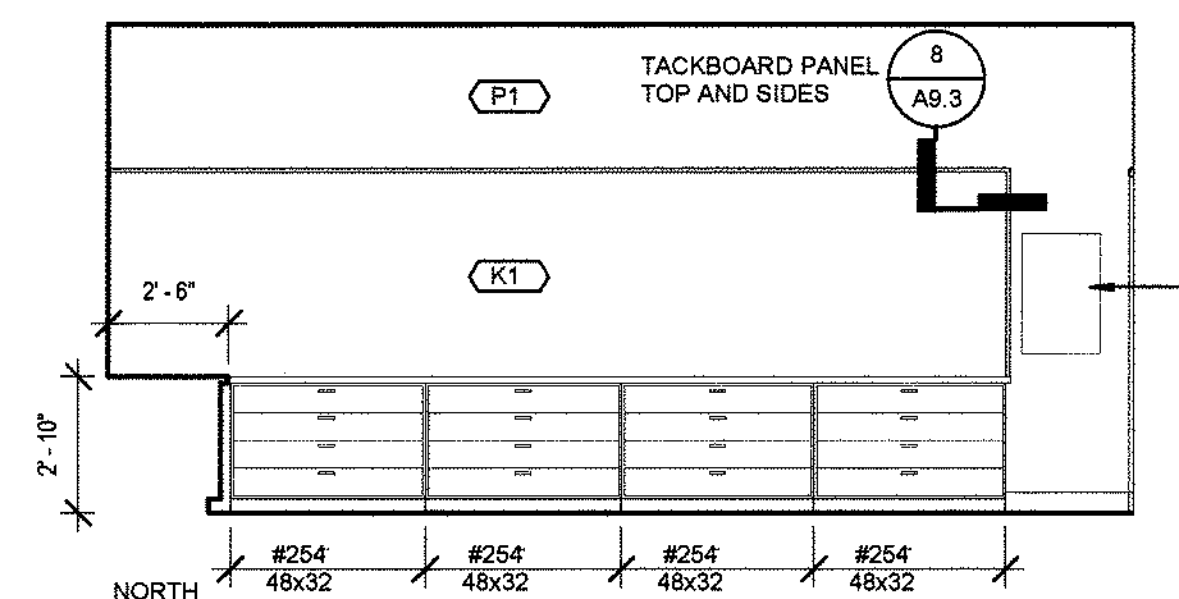
CORRIDOR 1814

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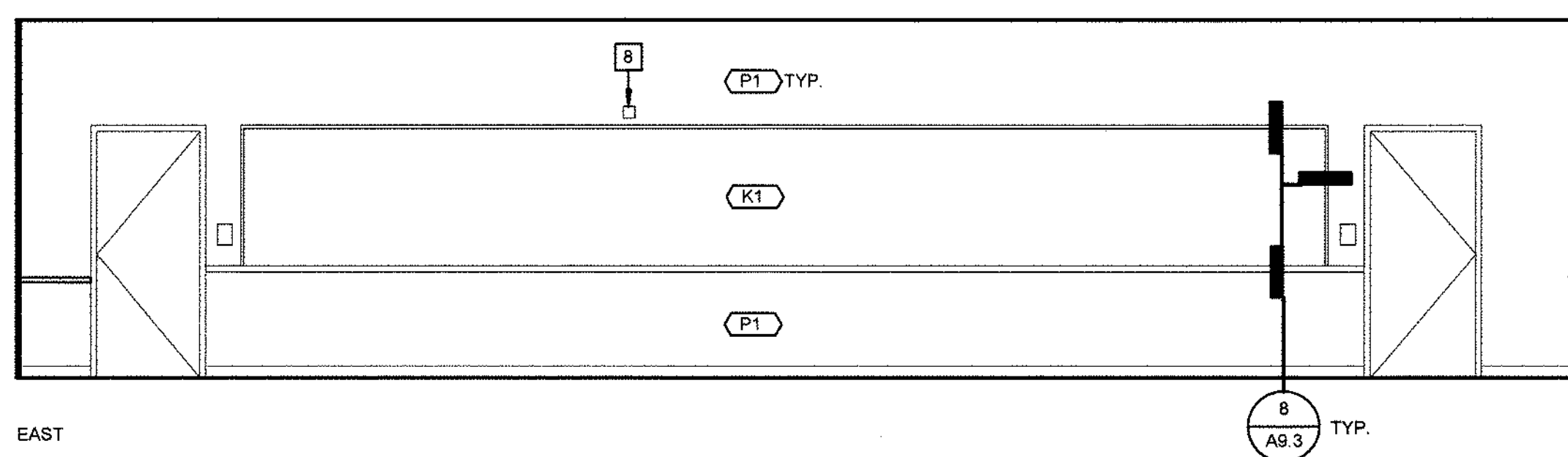
CORRIDOR 1814 CONT'D

1/4" = 1'-0"



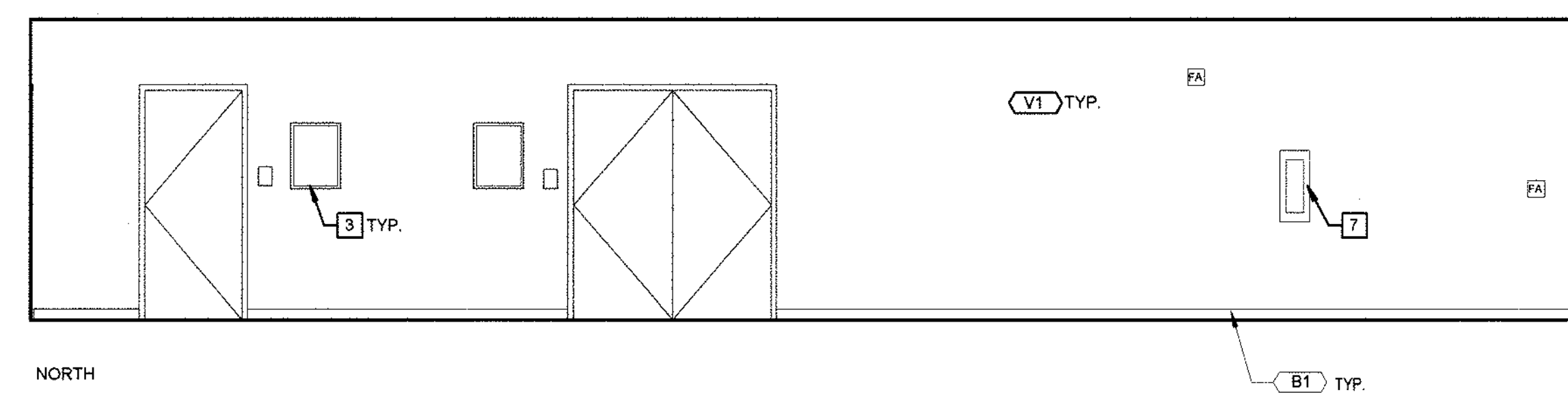
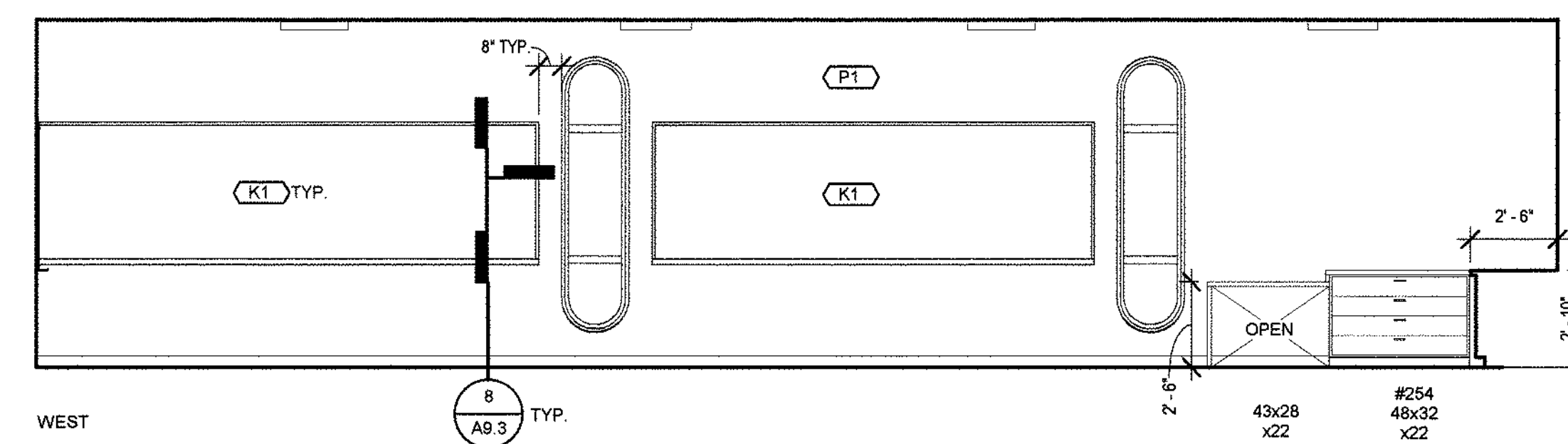
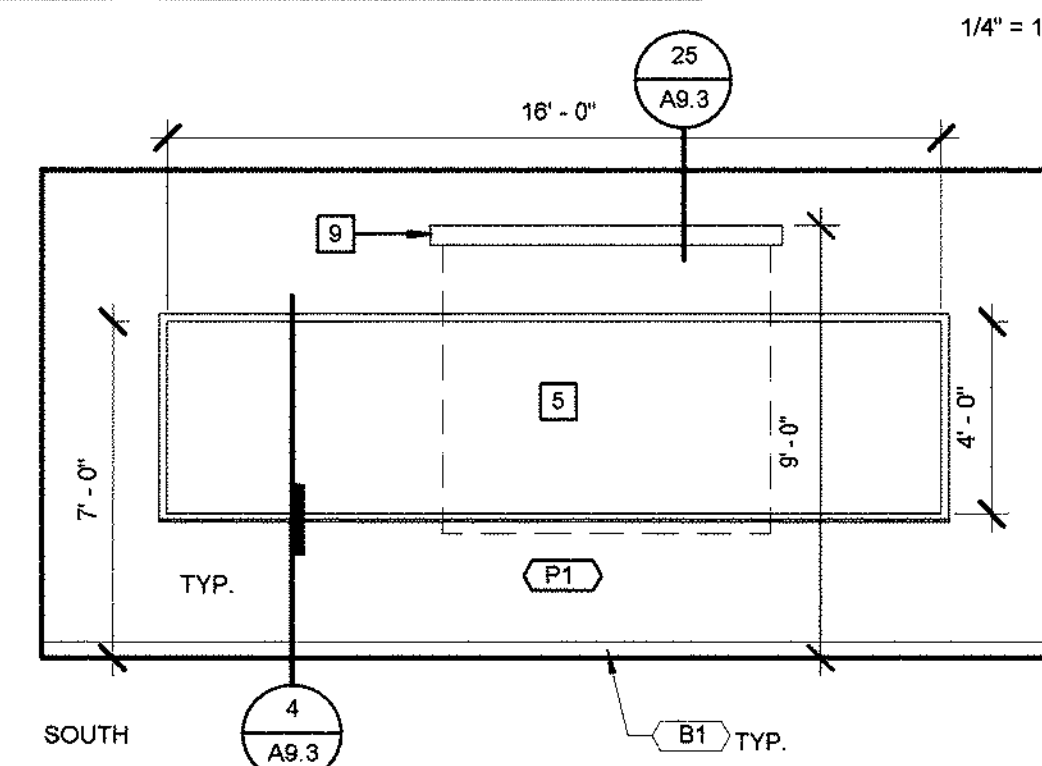
CLASSROOM 1815

1/4" = 1'-0"



CLASSROOM 1815 CONT'D

1/4" = 1'-0"



CORRIDOR 1816

1/4" = 1'-0"

GENERAL NOTES

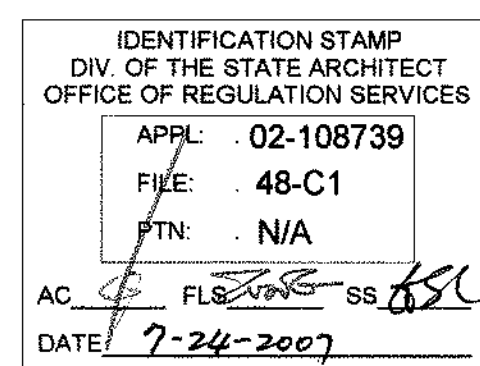
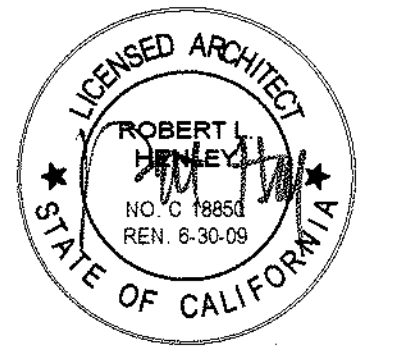
1. SEE A7.1 FOR WALL FINISH LEGEND
2. SEE A9.2 FOR TYP. CASEWORK DETAILS
3. ALL GYP WALLS PAINTED P-1, U.O.N.

DRAWING NOTES

1. RECESSED ELECTRICAL PANEL, S.E.D.
2. GLASS FRONT DISPLAY CASE TYPE 4.
3. TACK BOARD TYPE 1.
4. RECESSED 4-PLEX RECEPTACLE, S.E.D. MOUNT 24" A.F.F.
5. MARKER BOARD
6. BULLETIN BOARD TYPE 3.
7. F.E. CABINET. INSTALL W/ F.E. HANDLE AT 48" MAX.
8. F.A. JUNCTION BOX, S.E.D. @ +90"
9. WALL MOUNT PROJECTION SCREEN, VERIFY LOCATION



TLCD ARCHITECTURE
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Fairfield, CA 94533
707 421-8795
FAX 707 421-8799



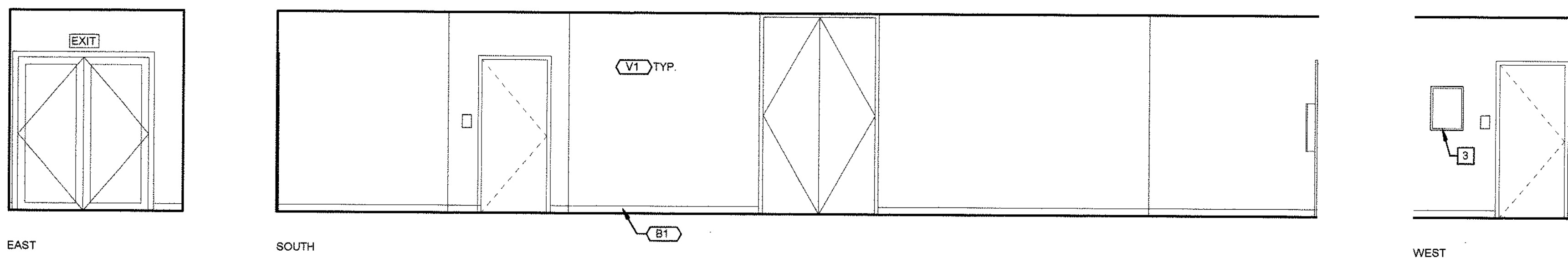
Solano Community
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SP
CHECKED BY:
CG
REVISIONS:

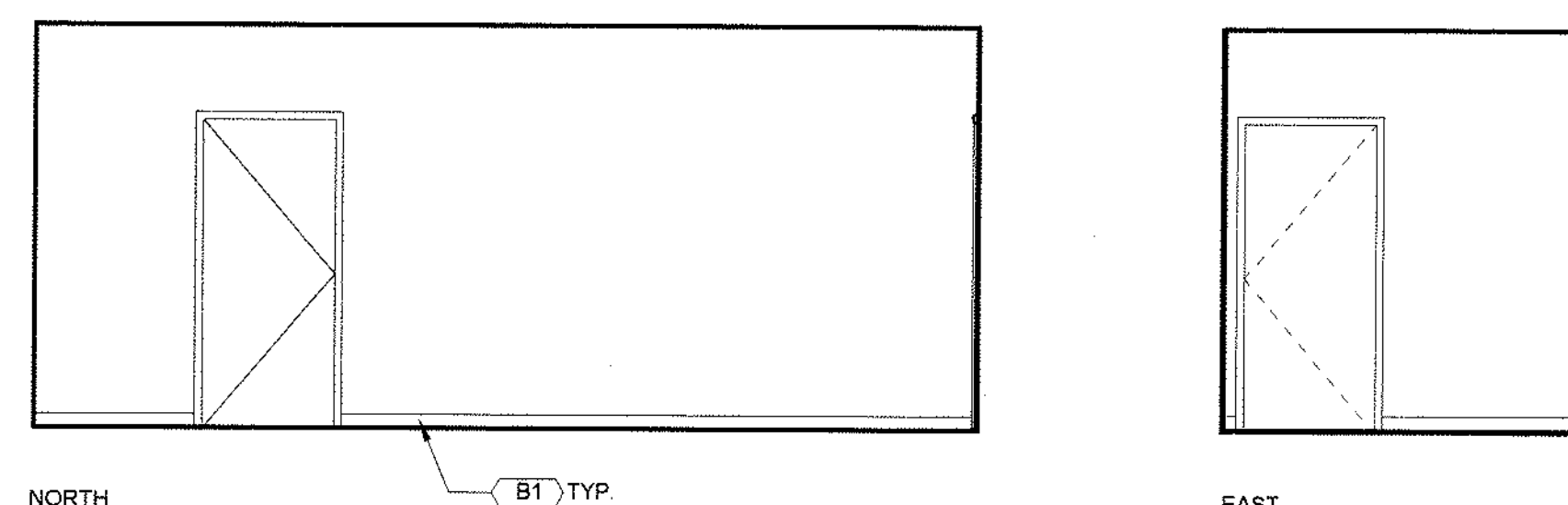
INTERIOR ELEVATIONS

A7.2



CORRIDOR 1816 CONT'D

1/4" = 1'-0"



INSTRUCTOR 1817

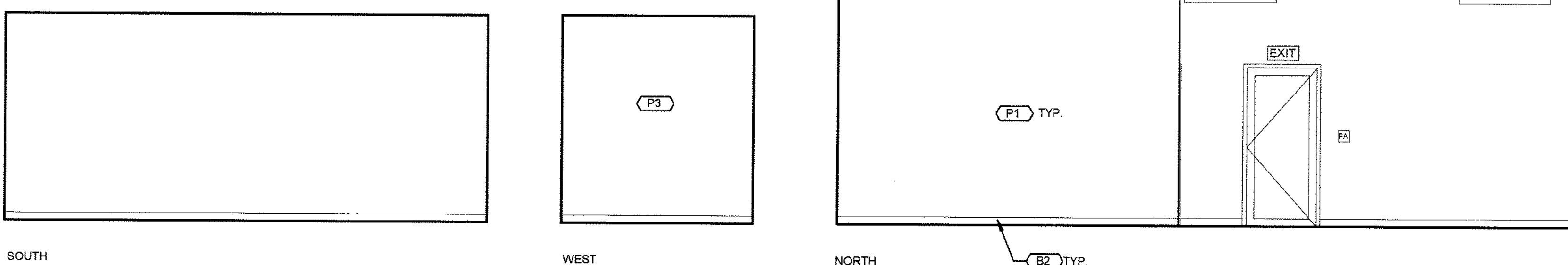
1/4" = 1'-0"

GENERAL NOTES

1. SEE A7.1 FOR WALL FINISH LEGEND
2. SEE A9.2 FOR TYP. CASEWORK DETAILS
3. ALL GYP WALLS PAINTED P-1, U.O.N.

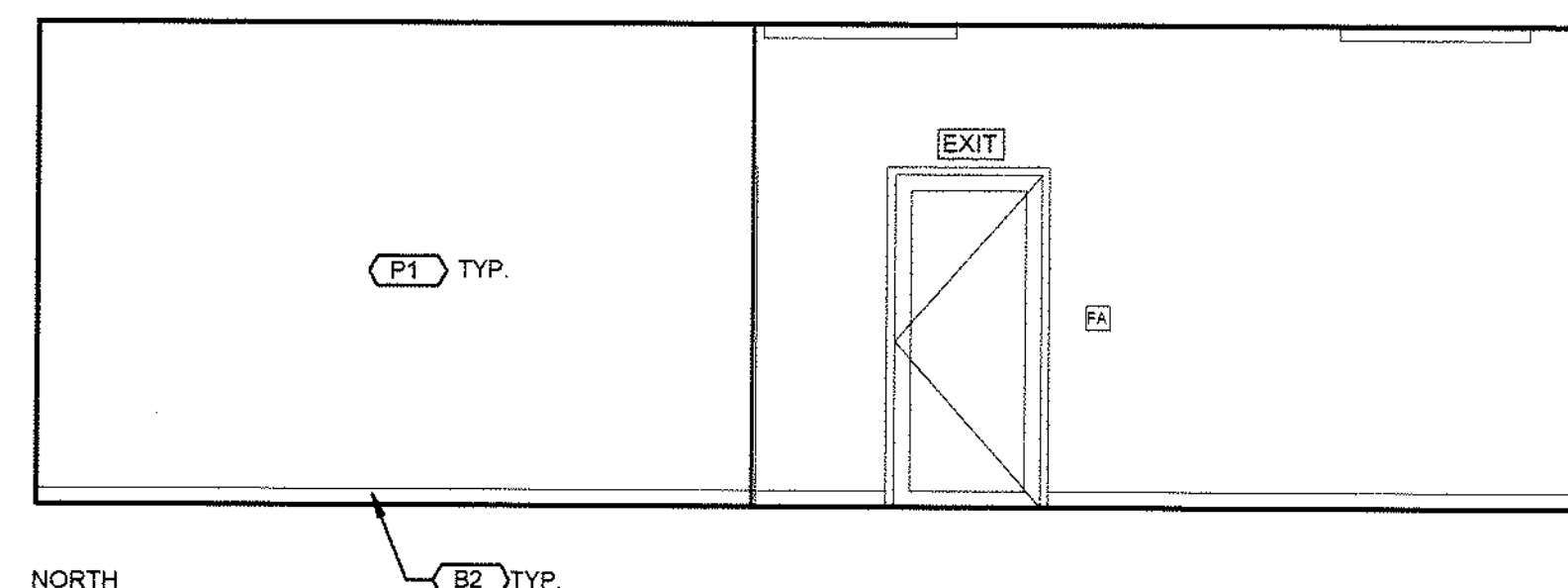
DRAWING NOTES

1. RECESSED ELECTRICAL PANEL, S.E.D.
2. MARKER BOARD
3. TACK BOARD TYPE 1.
4. RACEWAY, S.E.D.
5. (E) EXHAUST HOOD, REINSTALL
6. WALL MOUNT PROJECTION SCREEN, VERIFY LOCATION
7. PROVIDE CLOSURE PANEL AT CORNER



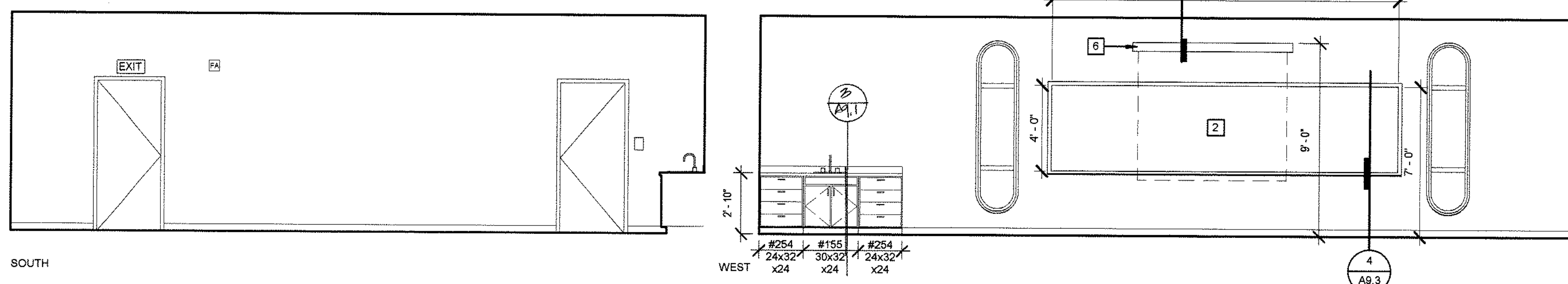
INSTRUCTOR 1817 CONT.

1/4" = 1'-0"



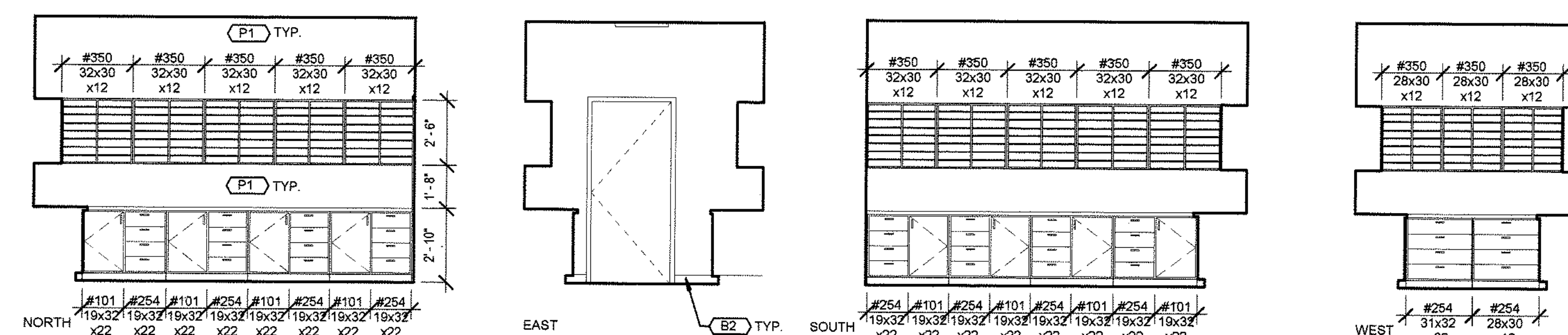
CLASSROOM 1818

1/4" = 1'-0"



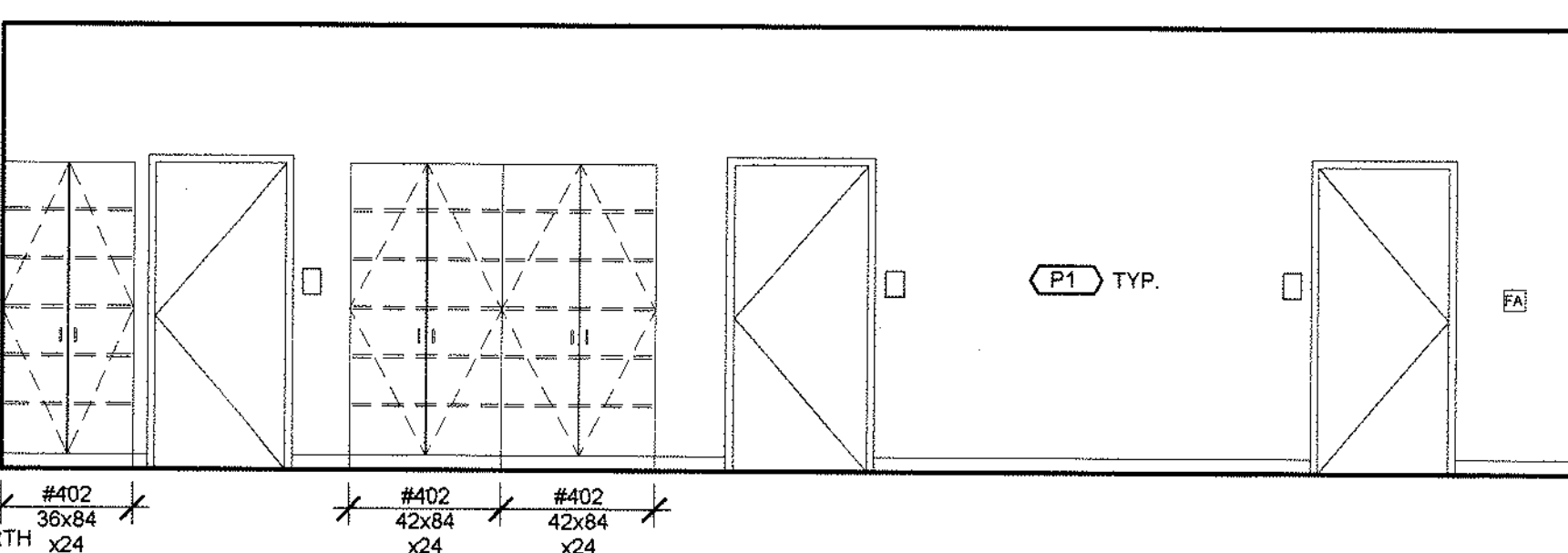
CLASSROOM 1818 CONT'D

1/4" = 1'-0"



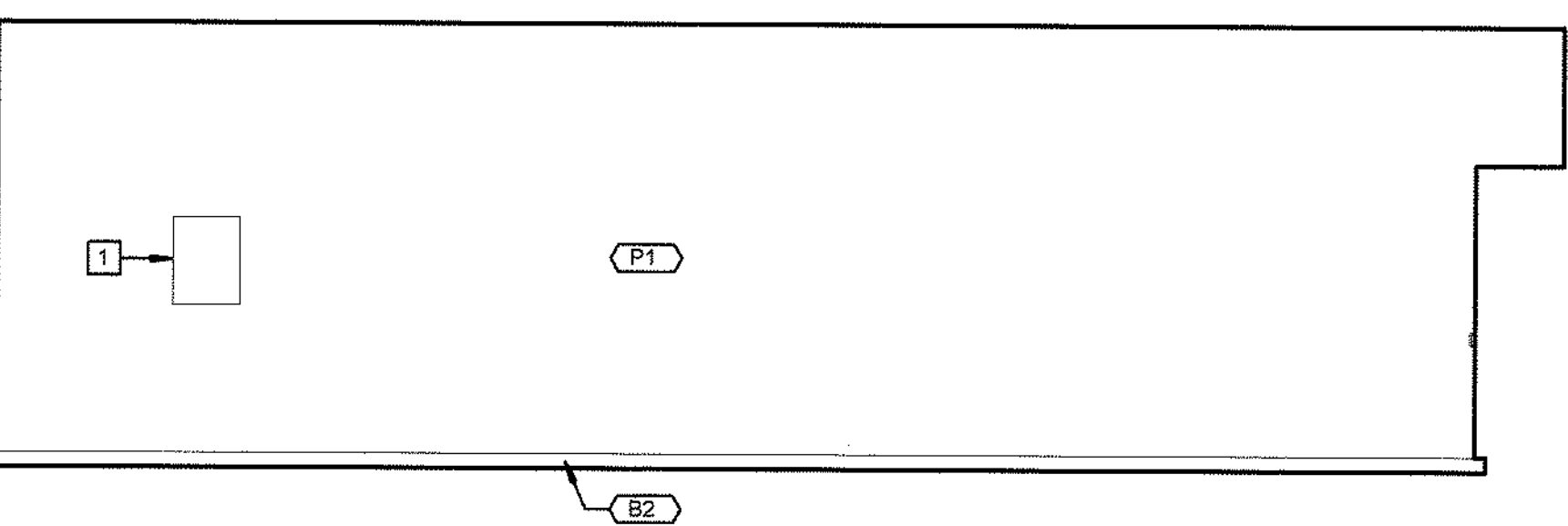
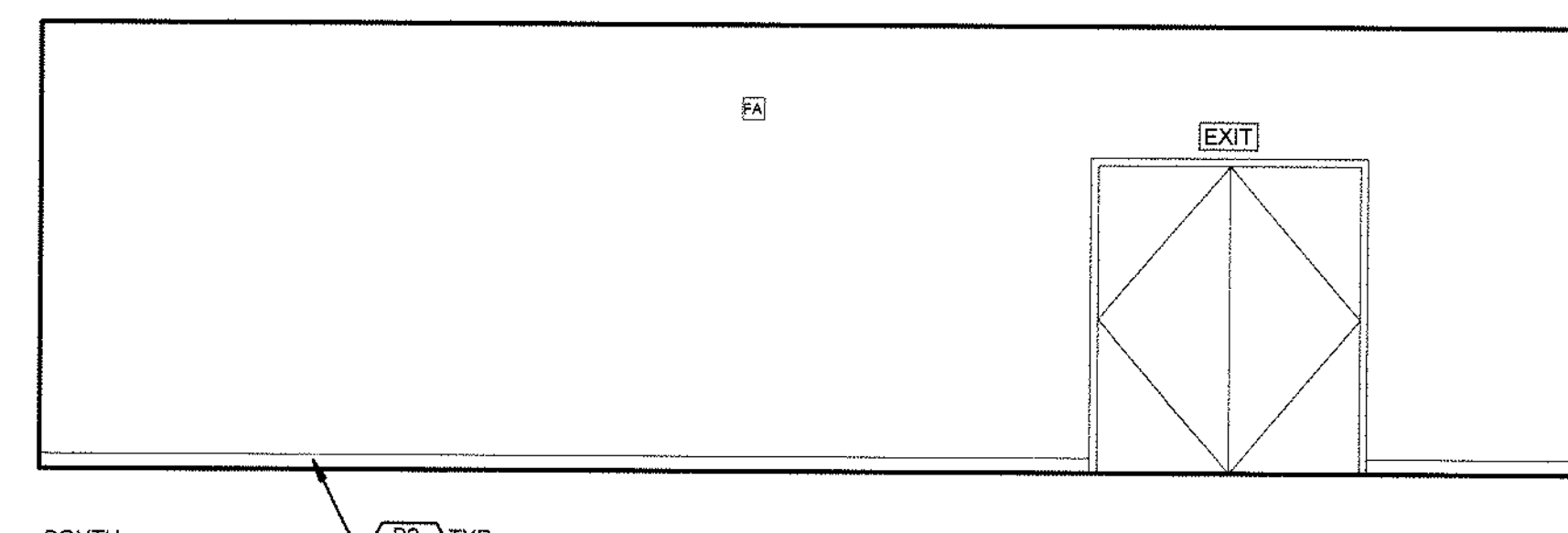
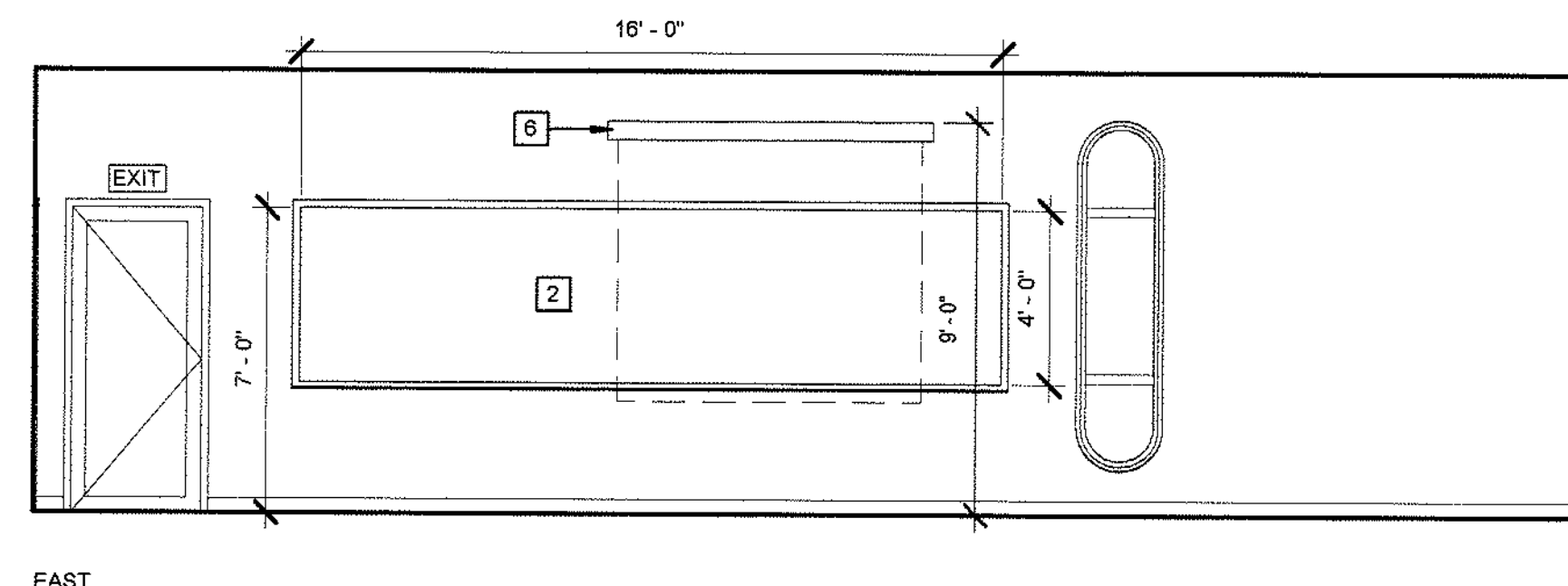
STORAGE 1818B

1/4" = 1'-0"



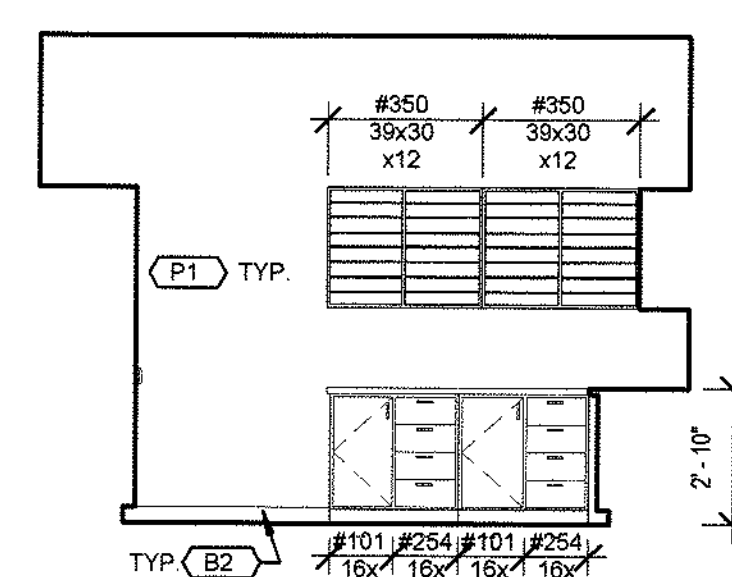
CLASSROOM 1819

1/4" = 1'-0"



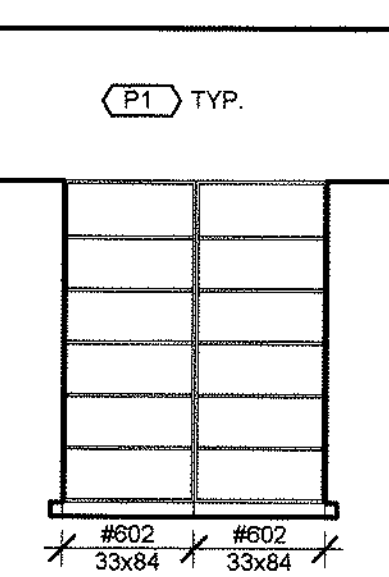
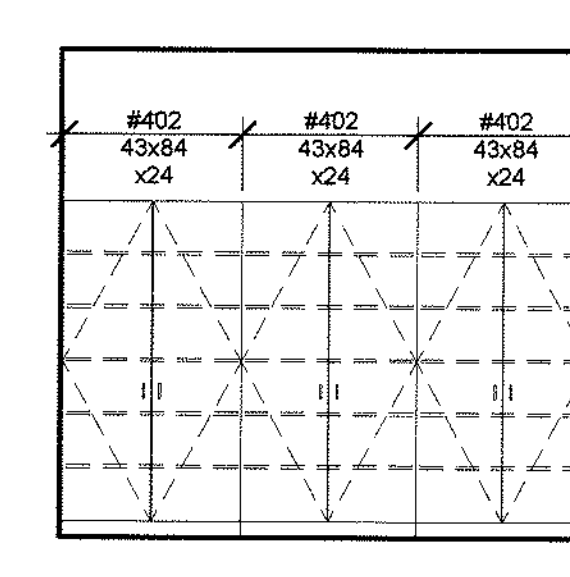
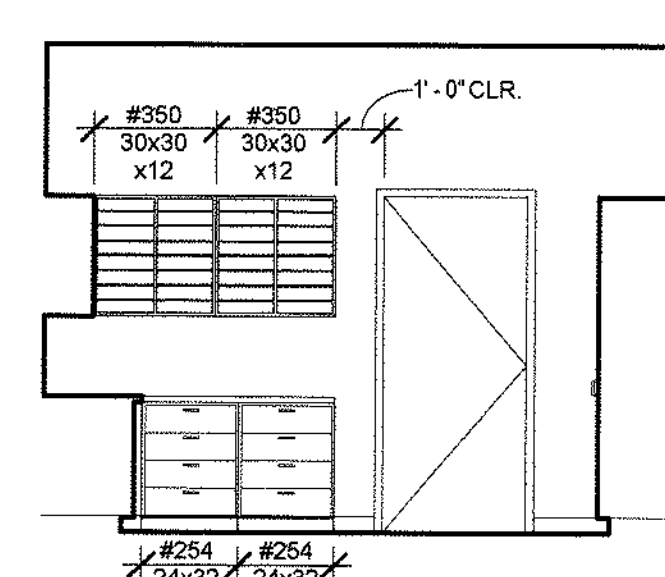
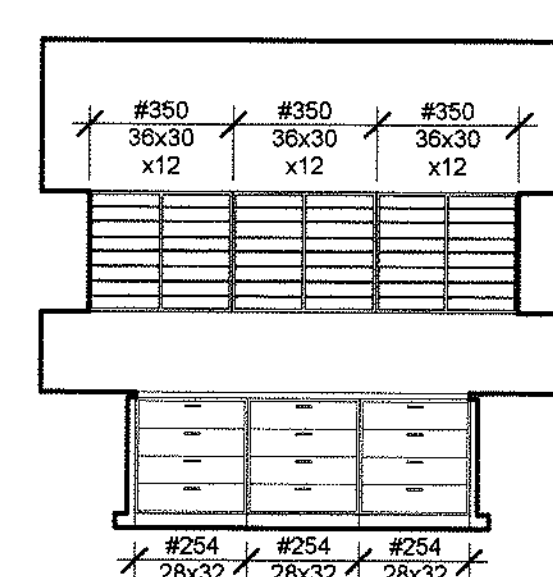
CLASSROOM 1819 CONT'D

1/4" = 1'-0"



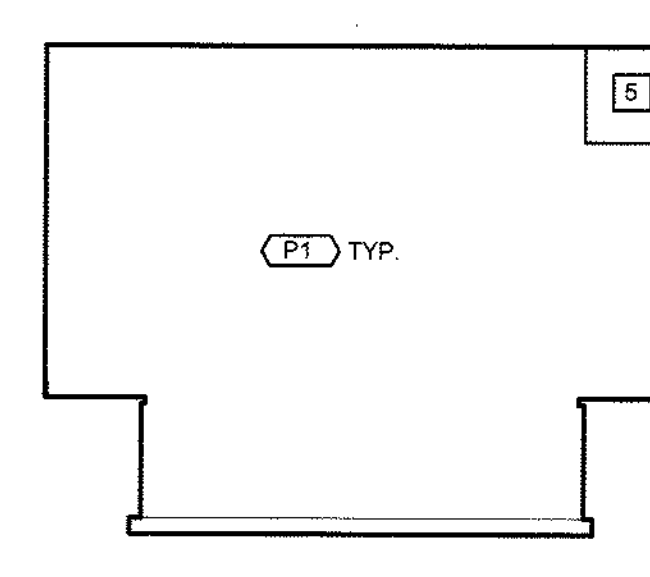
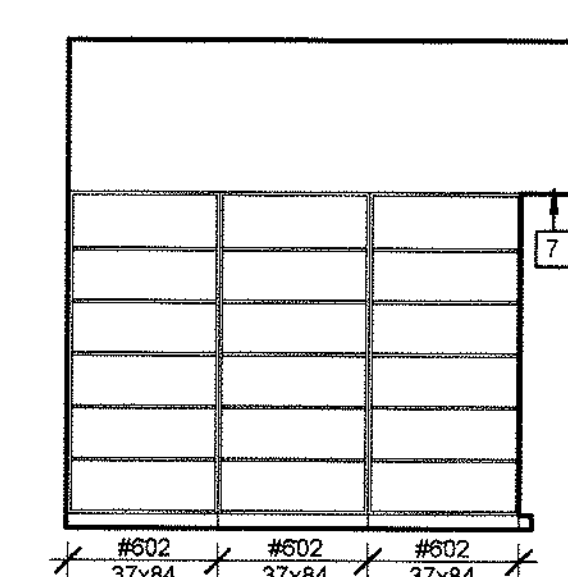
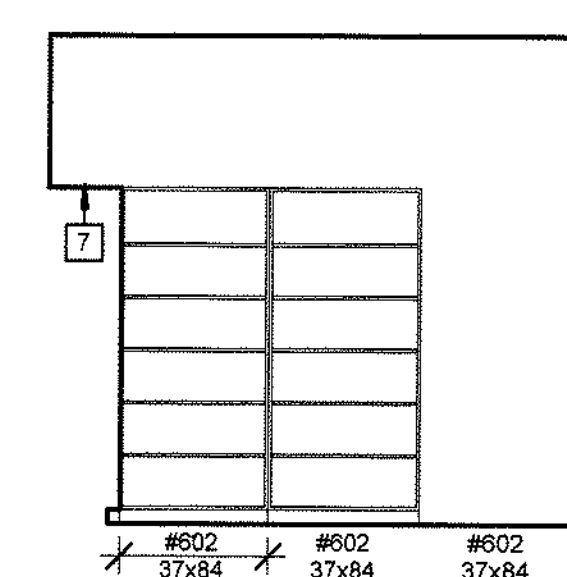
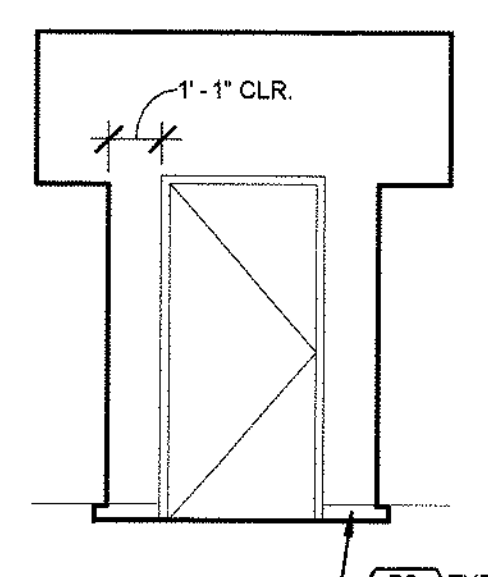
WORK ROOM 1819A

1/4" = 1'-0"



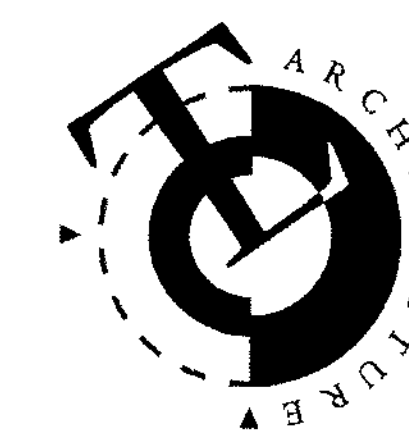
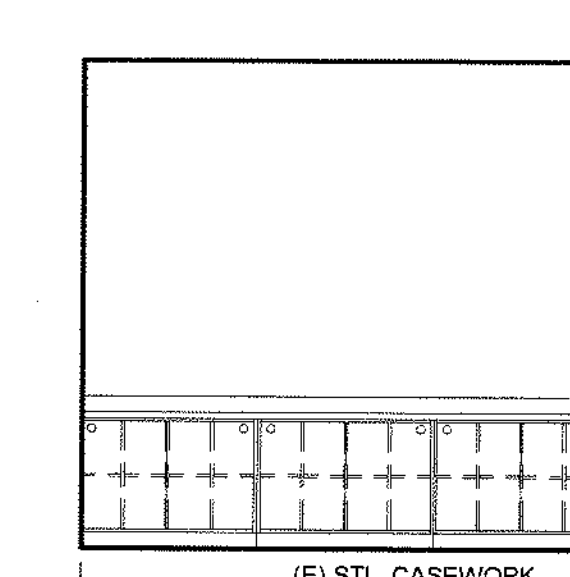
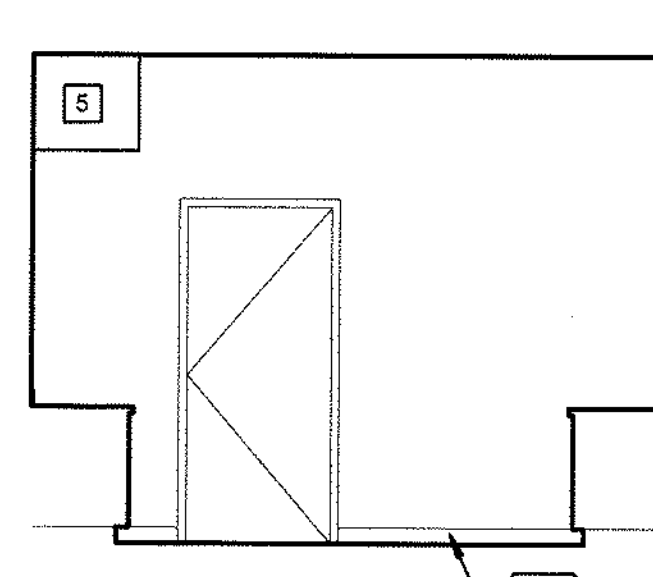
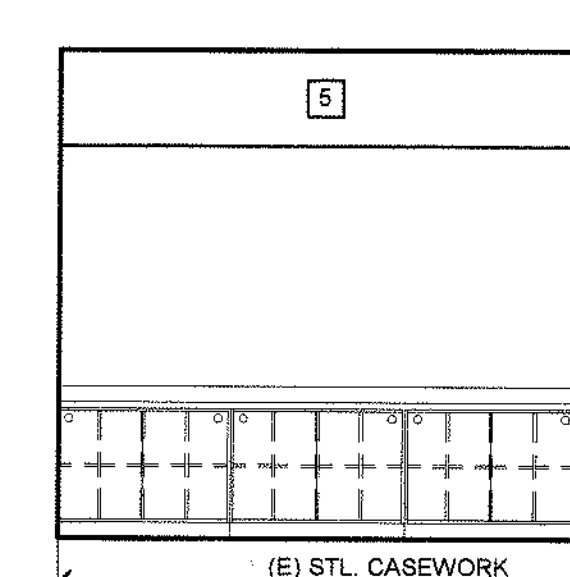
STORAGE 1819B

1/4" = 1'-0"

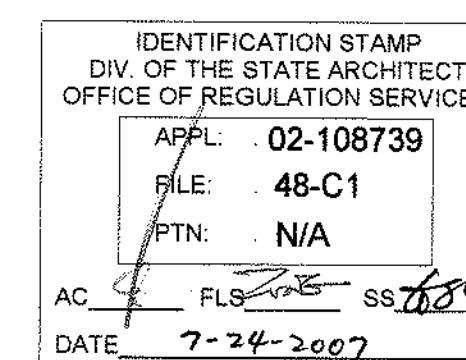
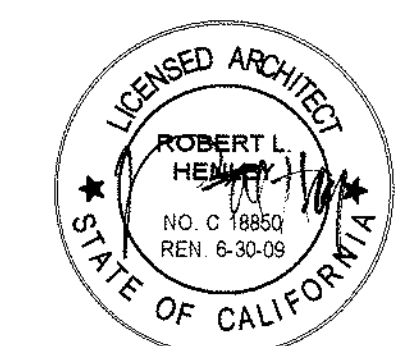


TESTING 1819C

1/4" = 1'-0"



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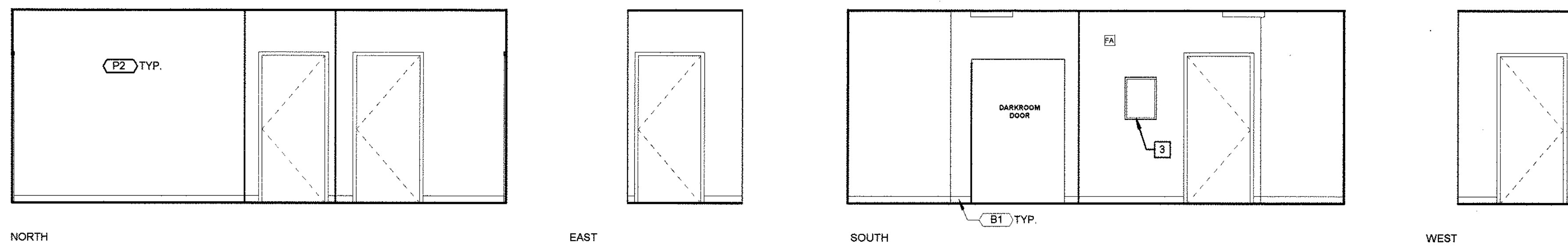
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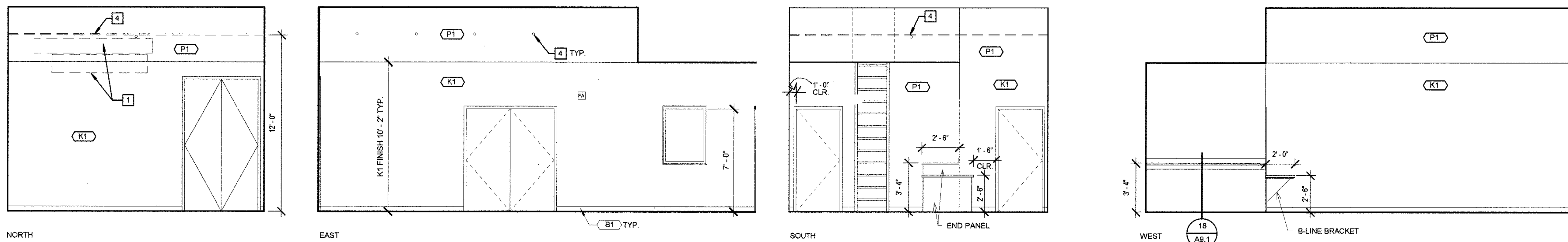
INTERIOR ELEVATIONS

A7.3



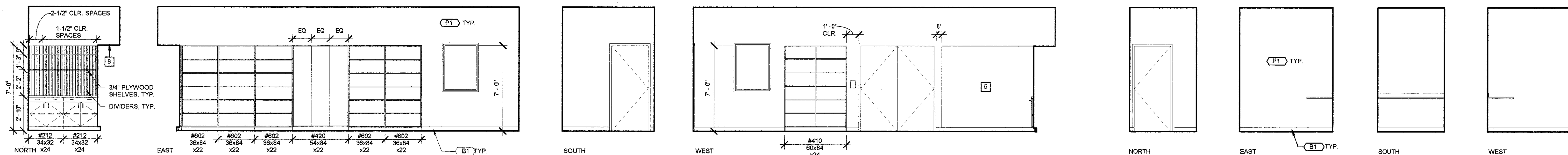
HALLWAY 1820

1/4" = 1'-0"



STUDIO 1821

1/4" = 1'-0"

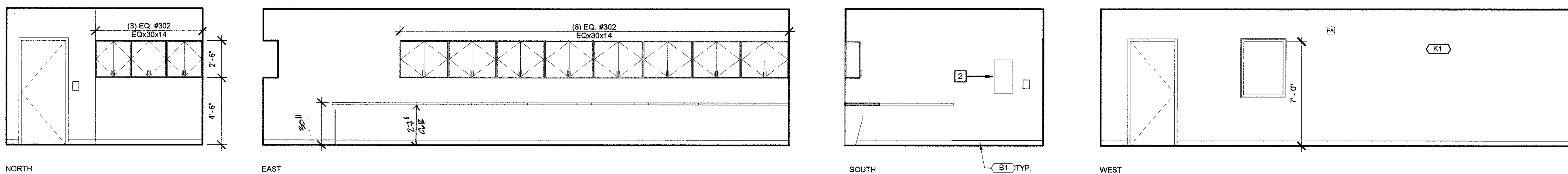


STOR./ASST. MNGR. 1821A & 1821B

1/4" = 1'-0"

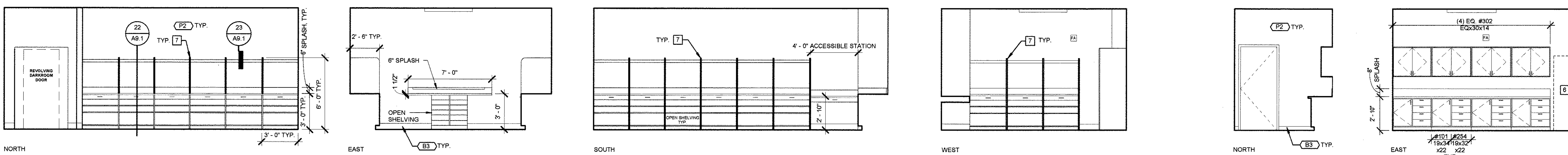
DRESSING 1821C

1/4" = 1'-0"



DIGITAL LAB 1822

1/4" = 1'-0"



DARKROOM 1823

1/4" = 1'-0"

PHOTO LAB 1824

1/4" = 1'-0"

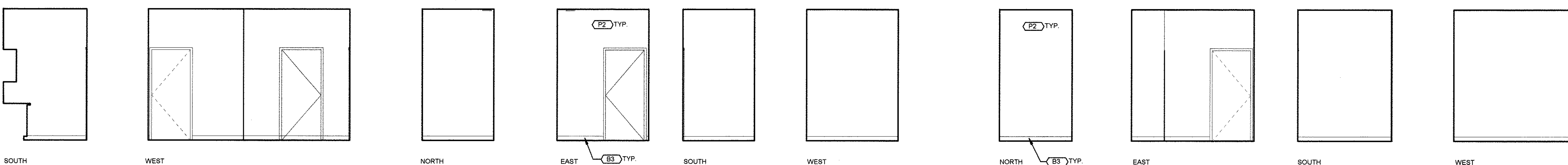


PHOTO LAB 1824 CONT'D

1/4" = 1'-0"

PHOTO STOR. 1824A

1/4" = 1'-0"

PHOTO STOR. 1824B

1/4" = 1'-0"

GENERAL NOTES

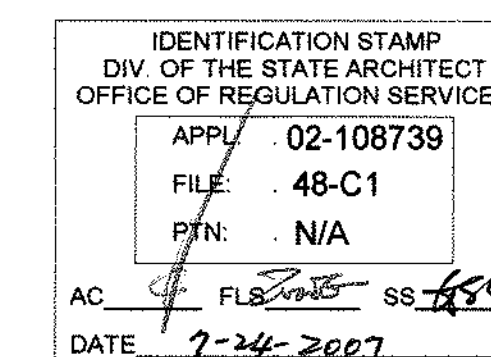
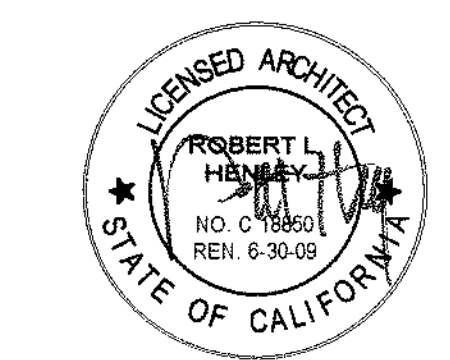
1. SEE A7.1 FOR WALL FINISH LEGEND
2. SEE A8.2 FOR TYP. CASEWORK DETAILS
3. ALL GYP WALLS PAINTED P-1, U.O.N.

DRAWING NOTES

1. (E) WALL MOUNTED PHOTOGRAPHY BACKDROPS REMOVE AND REINSTALL, SEE 5 FOR BACKING DETAIL
2. RECESSED ELECTRICAL PANEL, S.E.D.
3. TACK BOARD TYPE 1.
4. (E) LIGHTING PIPE RAILS, REINSTALL IN ORIGINAL LOCATIONS
5. 1/2" PLYWOOD, PAINT.
6. (E) FILM DRYER CABINET, N.I.C.
7. ADJUSTABLE DARKROOM STATION DIVIDERS
8. PROVIDE CLOSURE PANEL AT CORNER



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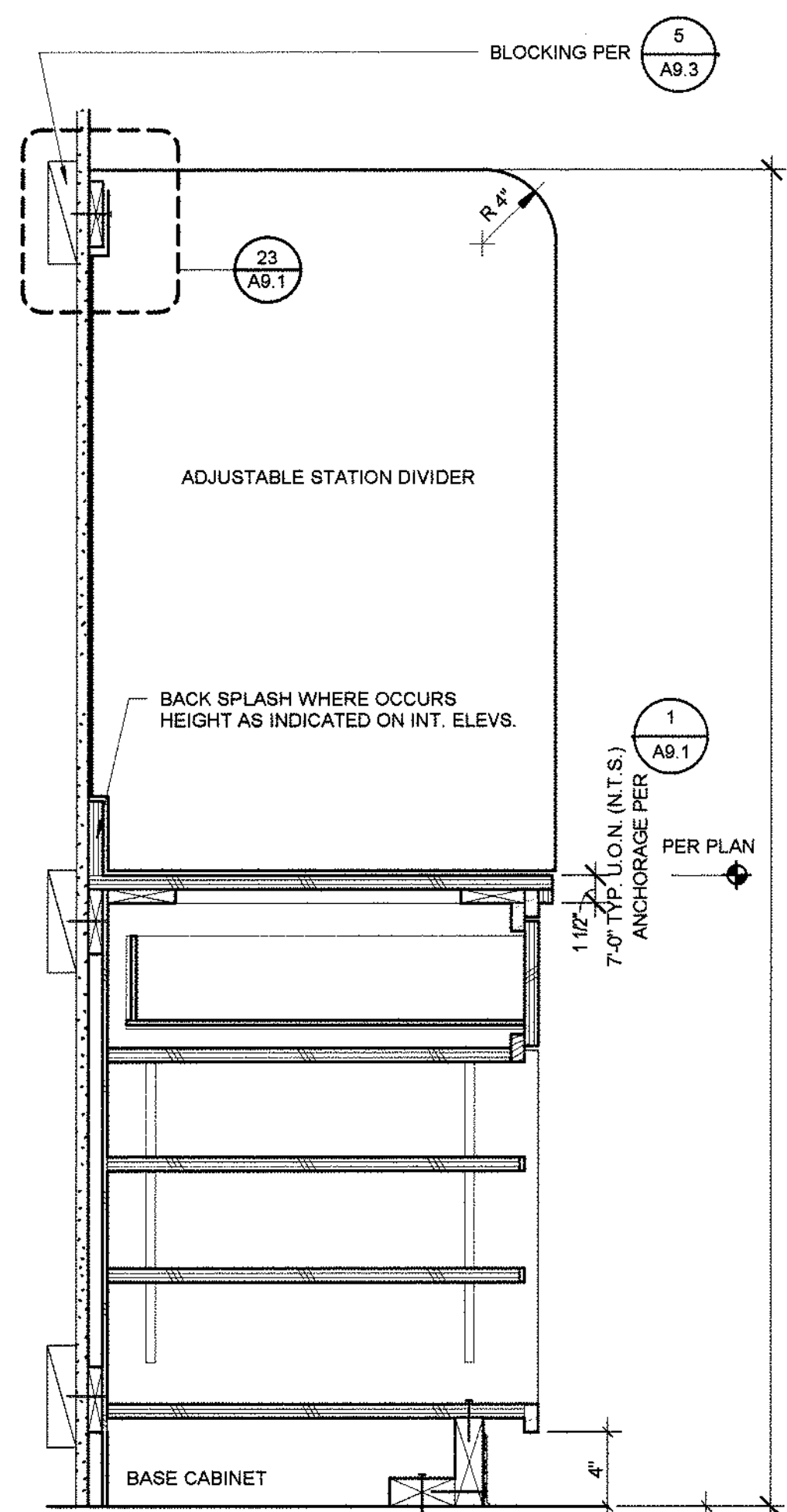
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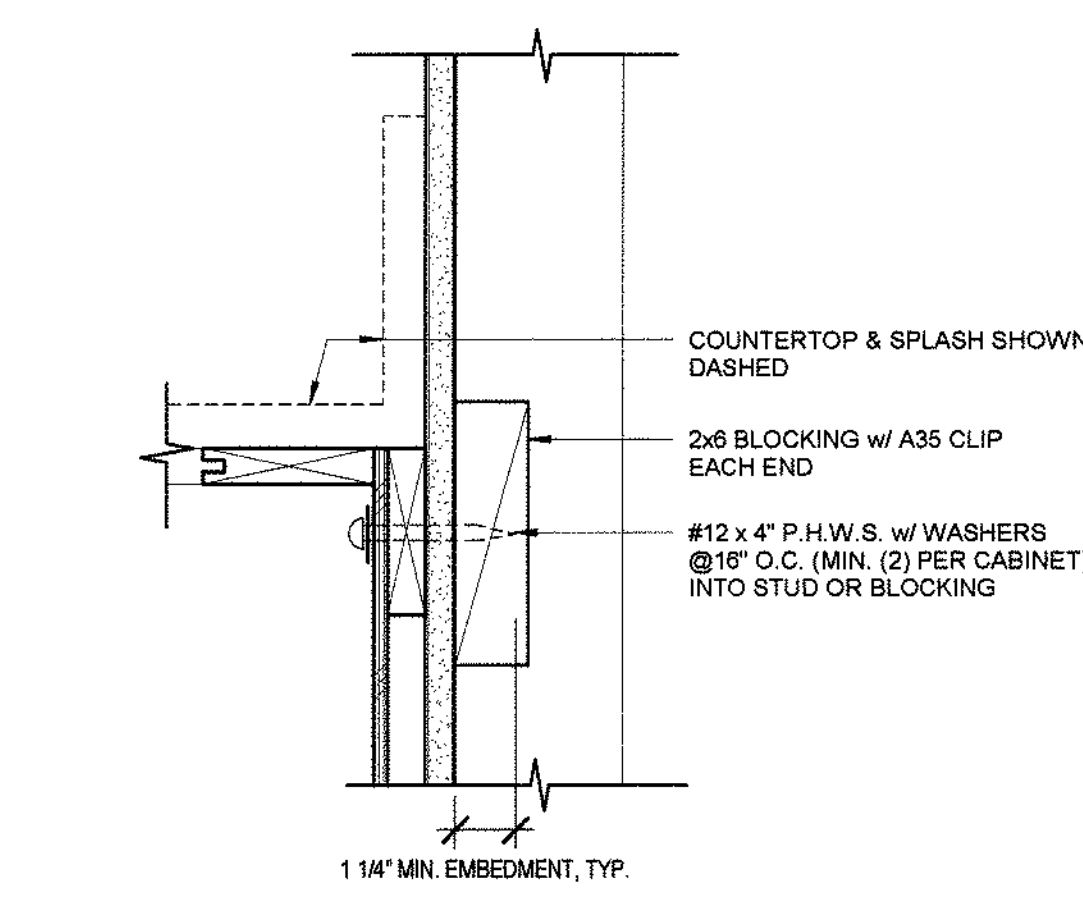
INTERIOR ELEVATIONS

A7.4

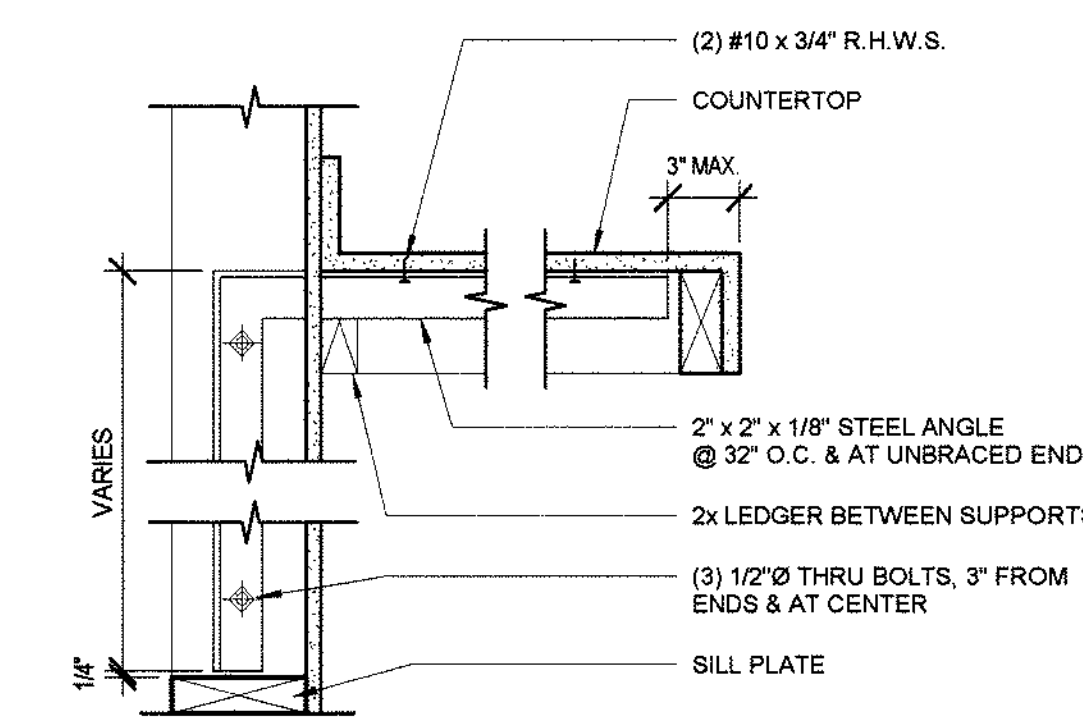


22 DARKROOM STATION SECTION
1 1/2" = 1'-0"

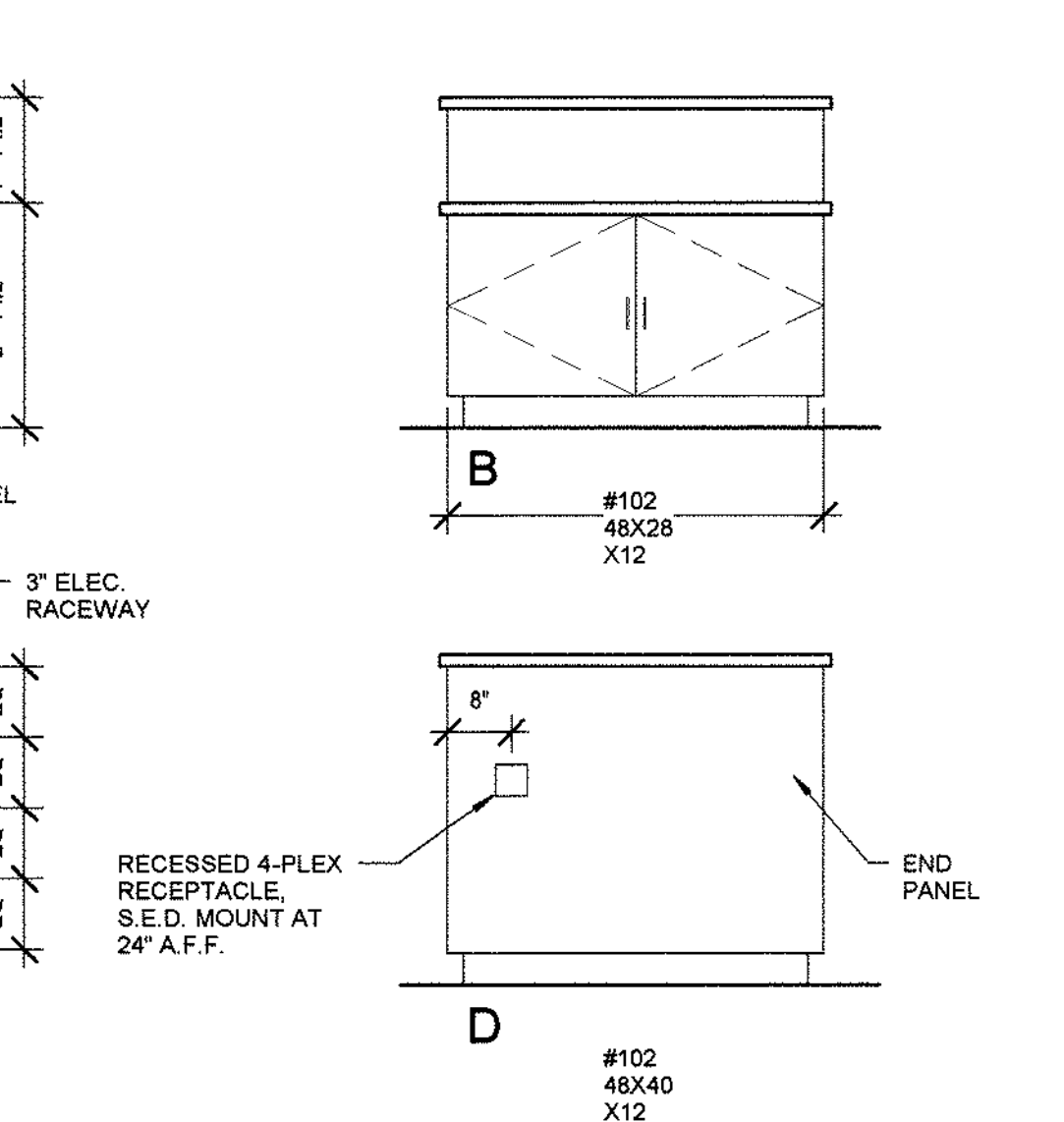
16 UPPER CABINET TO WALL ANCHORAGE
3" = 1'-0"



17 BASE CABINET TO WALL ANCHORAGE
3" = 1'-0"

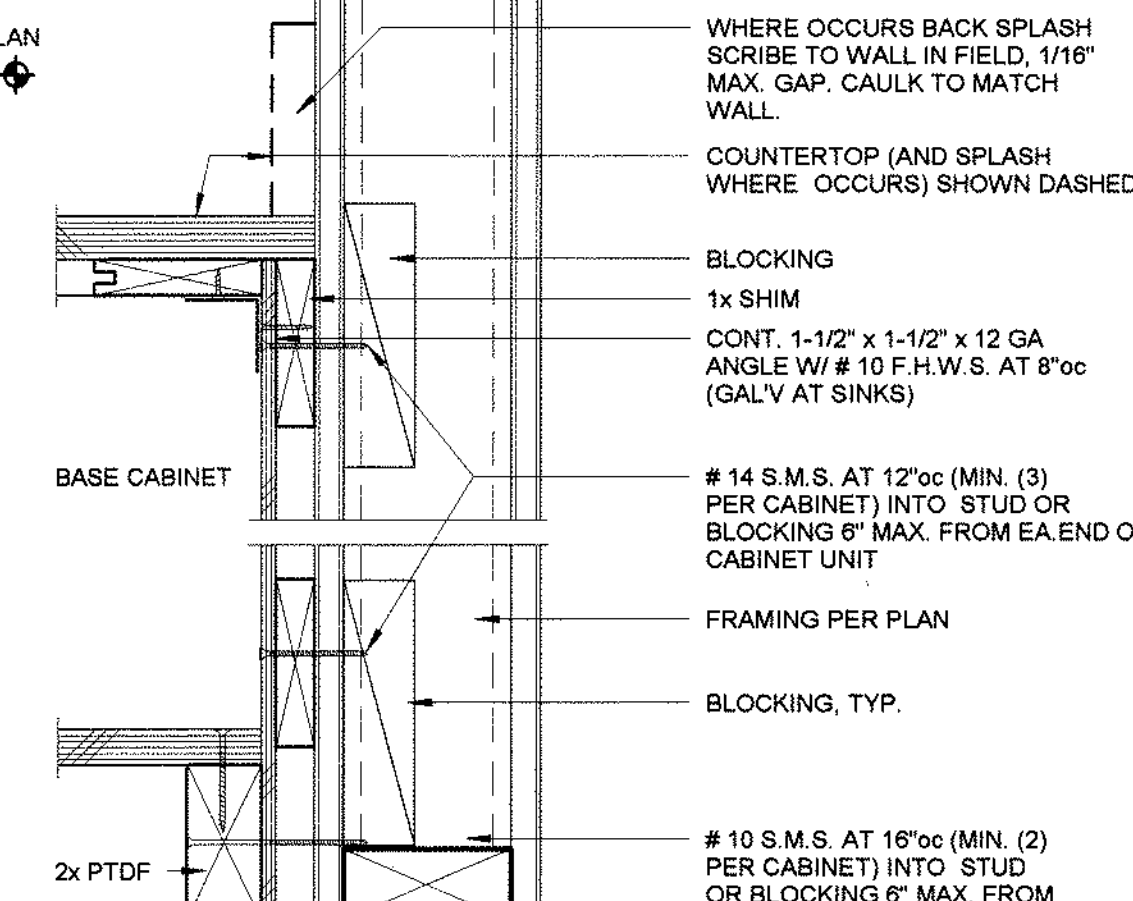


18 COUNTER SUPPORT
1 1/2" = 1'-0"

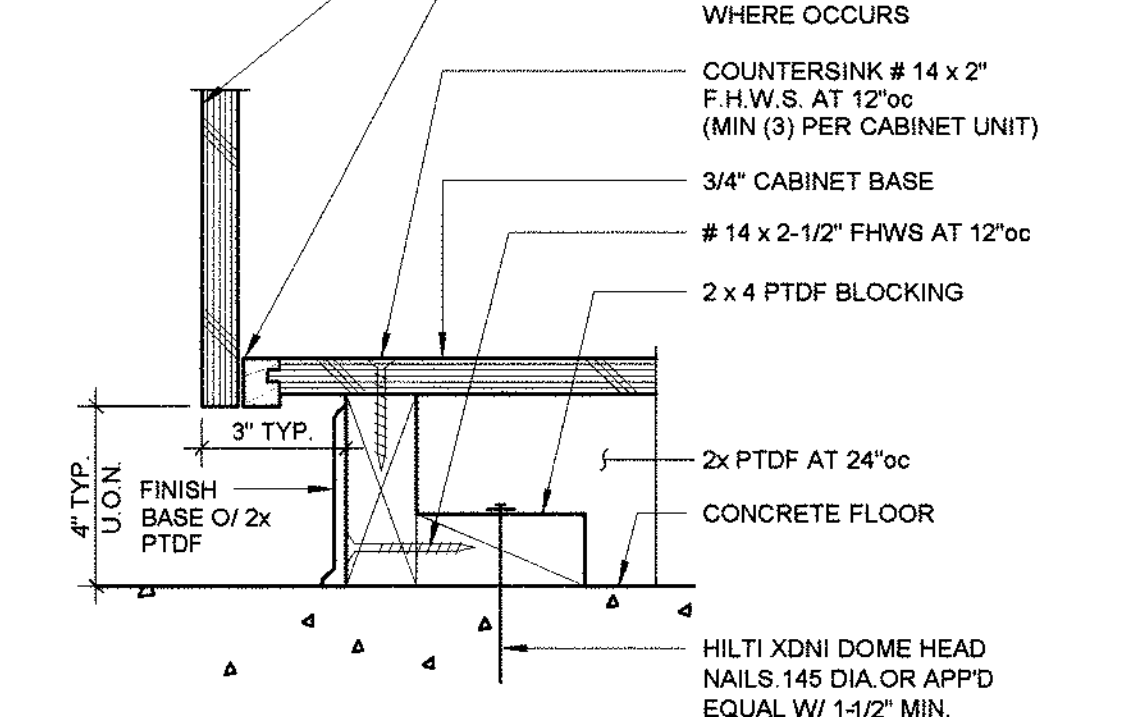


12 CABINET SECTION
1 1/2" = 1'-0"

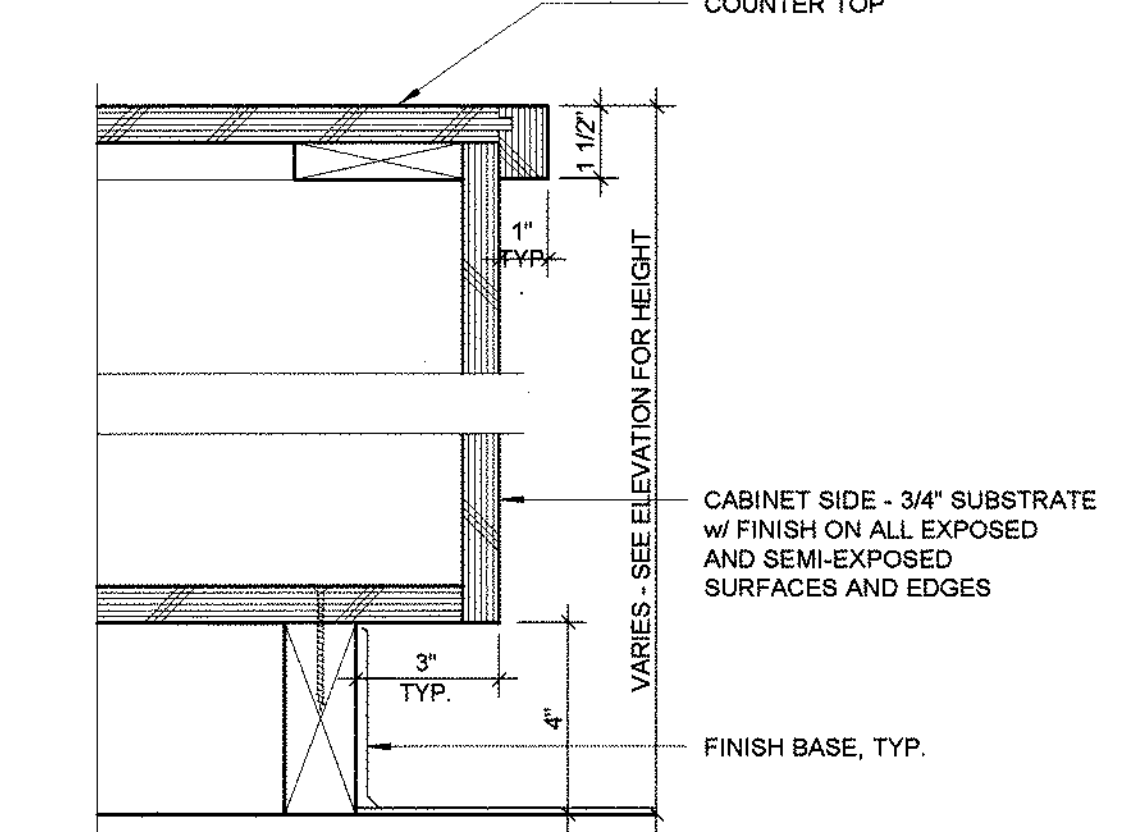
6 WALL CABINET ANCHORAGE
3" = 1'-0"



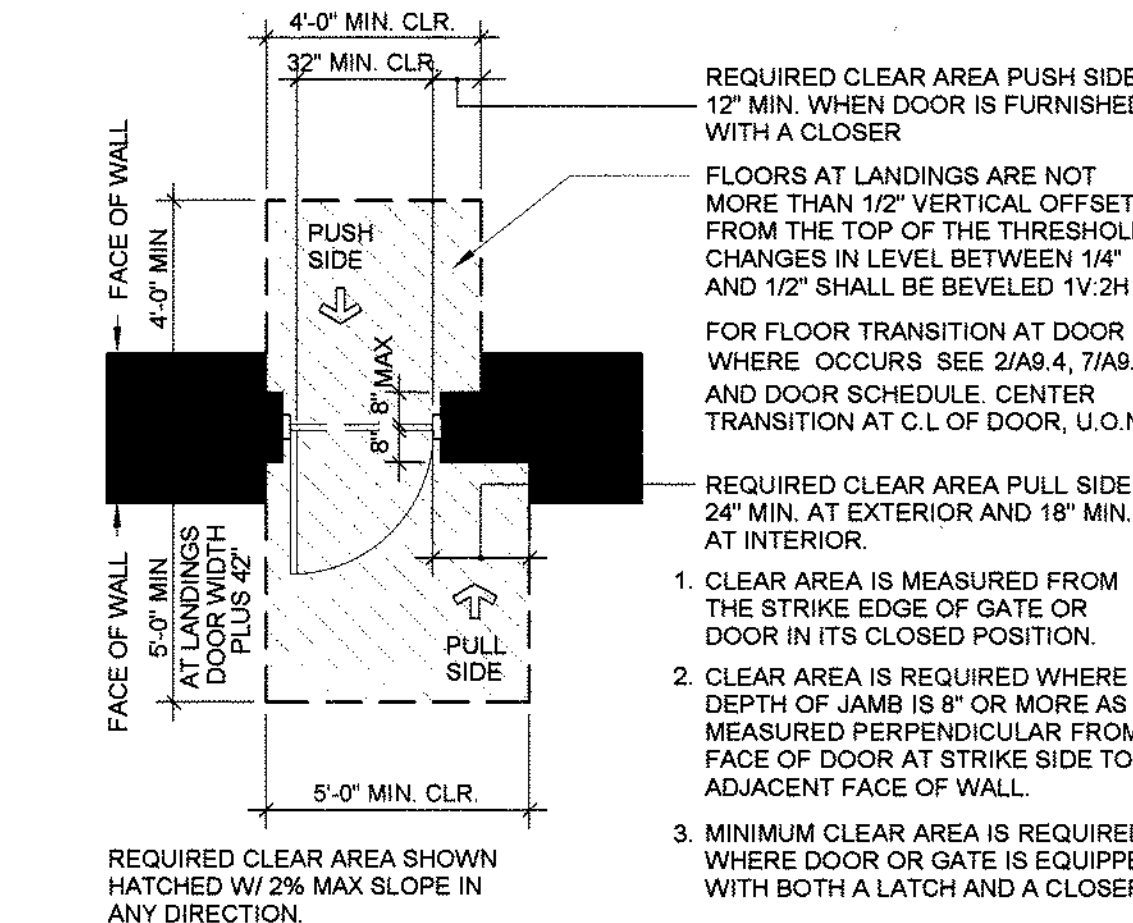
7 BASE CAB. FLR ANCHORAGE
3" = 1'-0"



8 BASE CABINET ANCHORAGE
3" = 1'-0"



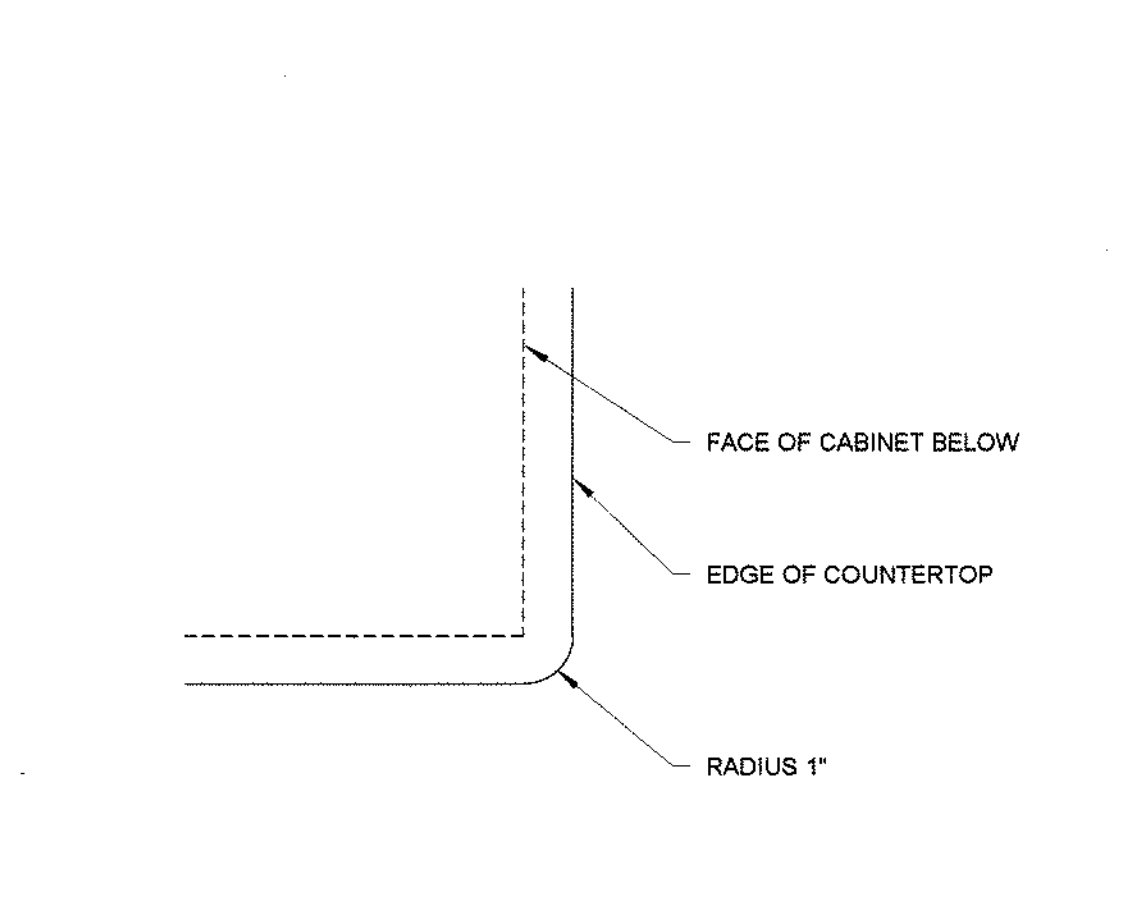
9 CABINET BASE AT END PANEL
3" = 1'-0"



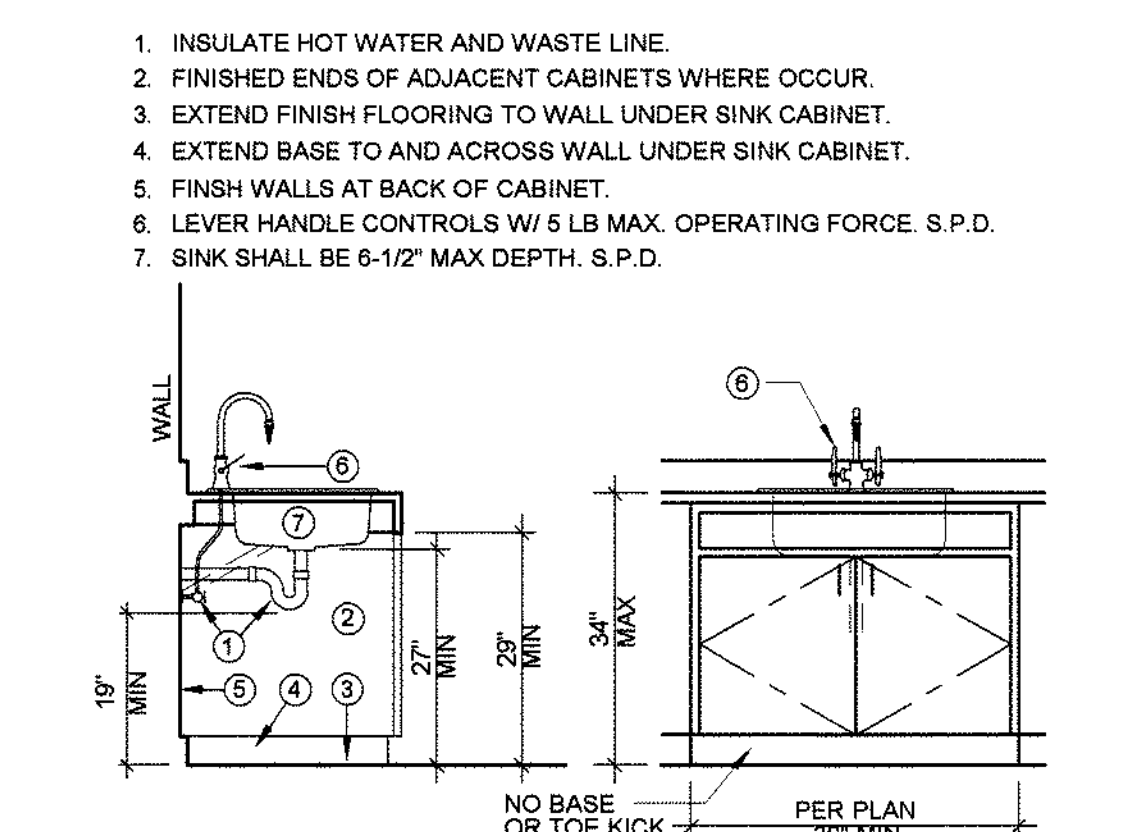
10 ACCESSIBILITY CLEARANCES
1/4" = 1'-0"



1 TYPICAL CASEWORK ANCHORAGE REQ
1/4" = 1'-0"



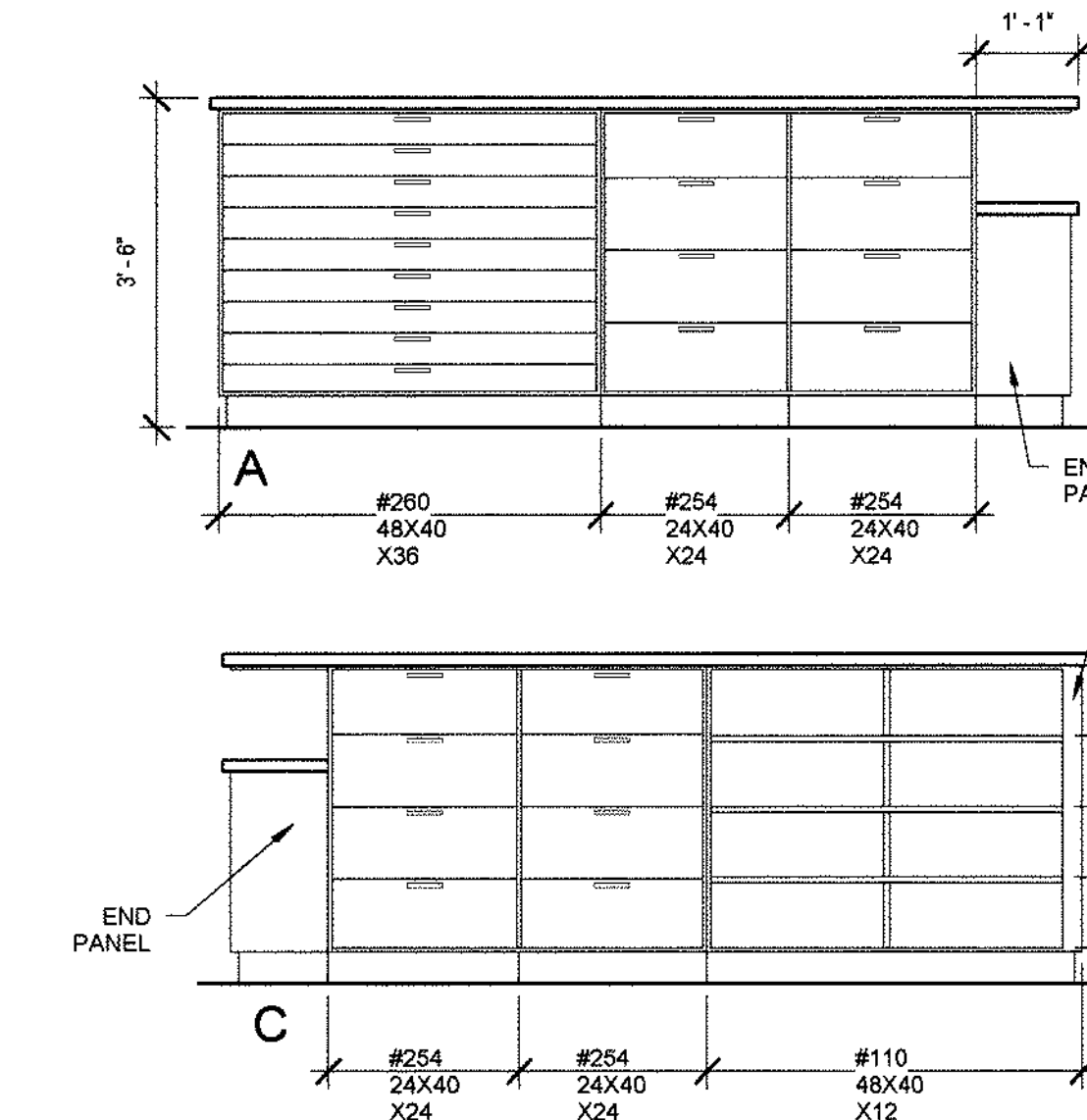
2 TYP. COUNTERTOP EXPOSED CORNER
3" = 1'-0"



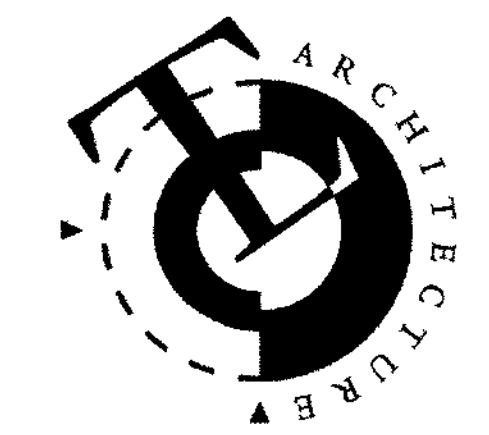
3 TYP. ACCESSIBLE SINK CABINET
1/4" = 1'-0"



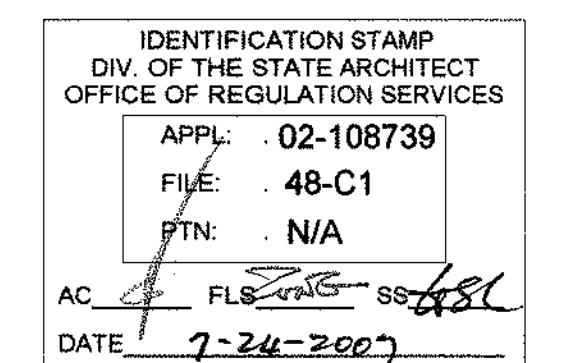
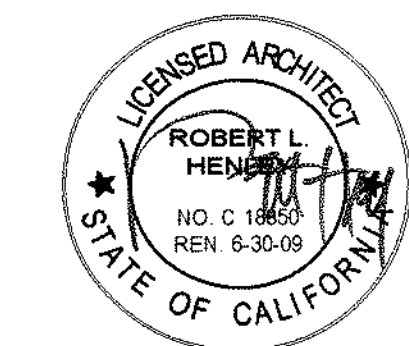
23 ADJ. DARKROOM STATION DIVIDER
3" = 1'-0"



25 ISLAND WORKSTATION
1/2" = 1'-0"



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CASEWORK DETAILS

A9.1



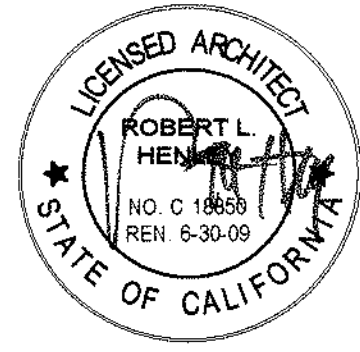
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CEILING DETAILS

A9.2

GENERAL LAY-IN CEILING ASSEMBLIES:

- LAY-IN CEILING ASSEMBLIES IN EXITWAYS SHALL BE INSTALLED WITH A MAIN RUNNER OR CROSS RUNNER SURROUNDING ALL SIDES OF EACH PIECE OF TILE, BOARD OR PANEL, AND EACH LIGHT FIXTURE OR GRILLE. SPLICES OR ALL INTERSECTIONS OF SUCH RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, CLIPS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS AND LOBBIES OR OTHER SIMILAR AREAS. THE LAY-IN CEILING ASSEMBLY SHALL ALSO COMPLY WITH OTHER REQUIREMENTS AND APPLICABLE CODES.

VERTICAL HANGERS:

- 12 GA. (MIN.) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0" GRID SPACING ALONG MAIN RUNNERS. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES.

- PROVIDE 12 GA. HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" FROM THE SUPPORT OR WITHIN 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA.

- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTER-SLOPING WIRES.

- EACH VERTICAL HANGER WIRE SHALL BE ATTACHED TO THE CEILING SUSPENSION MEMBER AND TO THE SUPPORT ABOVE WITH A MINIMUM OF THREE TIGHT TURNS IN 1-1/2 INCHES. ANY CONNECTION DEVICE AT THE SUPPORTING CONSTRUCTION SHALL BE CAPABLE OF CARRYING NOT LESS THAN 100 POUNDS.

- FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. DISTANCE BRACING WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2" 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" FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER TO HANGER WIRES.

LATERAL BRACING:

- PROVIDE SETS OF FOUR 12 GA. SPAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT A SPACING NOT MORE THAN 12' x 12' ON CENTER. PROVIDE BRACING WIRES AT LOCATIONS NOT MORE THAN 1/2 THE SPACINGS GIVEN FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL 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 TO BE PERMITTED.

- FASTEN BRACING SPAY WIRES TO RUNNERS WITH (4) TIGHT TURNS IN 1-1/2" AND WITHIN 2 INCHES OF THE CROSS RUNNER SECTION.

ANCHORAGE TO STRUCTURE:

- WHEN DRILLED-IN CONCRETE ANCHORS OR SHOT-IN ANCHORS ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, ONE OUT OF TEN MUST BE FIELD TESTED FOR 200 LBS. OF TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, ONE OUT OF TWO MUST BE FIELD TESTED FOR 400 LBS. IN TENSION. SHOT-IN ANCHORS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES. IF ANY SHOT-IN OR DRILLED-IN ANCHOR FAILS ALL ADJACENT ANCHORS MUST BE TESTED.

PERIMETER CONDITIONS:

- CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2" FREE FROM 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 1/2" 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 RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 18 GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12" OR LESS THIS INTERLOCK IS NOT REQUIRED.

- THE TERMINAL ENDS OF EACH CROSS RUNNER AND MAIN RUNNER SHALL BE SUPPORTED INDEPENDENTLY A MAXIMUM OF 8 INCHES FROM EACH WALL OR CEILING DISCONTINUITY WITH 12 GA WIRE OR APPROVED WALL SUPPORT.

CEILING FIXTURES:

- POSITIVELY ATTACH ALL LIGHT FIXTURES TO THE CEILING GRID RUNNERS TO RESIST A FORCE EQUAL TO THE WEIGHT OF THE FIXTURE APPLIED IN ANY DIRECTION.

- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 50 LBS. MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF TWO 12 GA. SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4' x 4' LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER.

- ALL FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING 50 LBS. OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 TAUT 12 GA. WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED.

- THE 4 TAUT 12 GA. WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT.

- ALL FIXTURES AND AIR TERMINALS OR SERVICES SUPPORTED ON INTERMEDIATE DUTY GRID SYSTEMS MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 TAUT 12 GA. WIRES EACH ATTACHED TO THE RUNNERS ADJACENT TO THE FIXTURE OR TERMINAL AND TO THE STRUCTURE ABOVE.

- SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM GAUGE OF 14. ATTACH TO THE CEILING MAIN RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A 12 GA. SUSPENSION WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE. ROTATIONAL SPRING CATCHES DO NOT COMPLY.

- PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8' OR LONGER.

- SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE FIXTURE (ALSO SEE NOTE 10).

- PROVIDE SEISMIC HOLD DOWN CLIPS AT ALL FOUR CORNERS OF ALL DIFFUSERS AND REGISTERS. CONNECT W/ # 6 x 1-1/2" S.M.S.

ADDITIONAL REQUIREMENTS FOR FIRE RATED CEILINGS:

- A. PROVIDE UNDERWRITER LABORATORY (UL) DESIGN NUMBER OF STATE FIRE MARSHALL (SFM) LISTING NUMBER. THE COMPONENTS & INSTALLATION DETAILS MUST CONFORM IN EVERY PARTICULAR WITH THE UL OR SFM APPROVAL FOR THE DESIGN NUMBER SPECIFIED. CUSTOM DESIGNS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED DESIGNS, BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE.

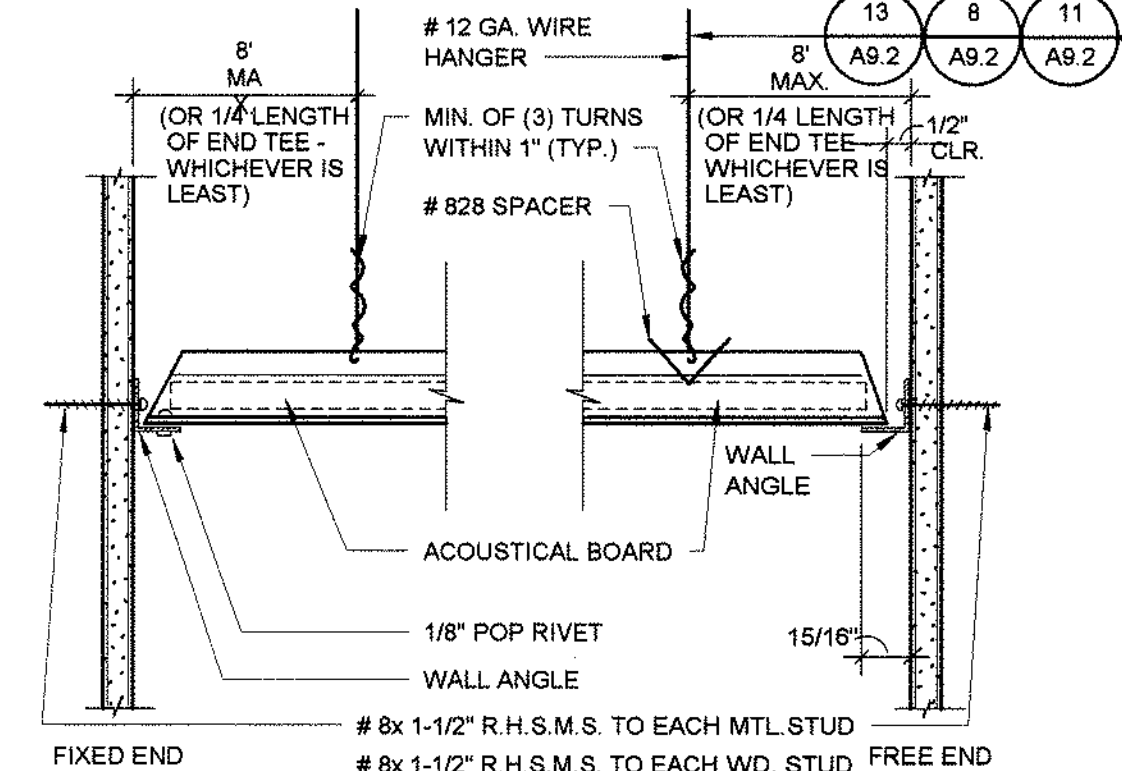
- B. A SET OF 4 BRACING WIRES IS REQUIRED FOR EACH 96 S.F. THE FIRST SET OF BRACING WIRES ARE REQUIRED NOT MORE THAN 4'-0" FROM EACH WALL. A MINIMUM OF ONE SET OF BRACING WIRES IS REQUIRED BETWEEN ANY TWO ADJACENT EXPANSION CUT-OUTS OR RUNNERS BEING BRACED.

- WHERE LAY-IN CEILINGS ARE PART OF A RATED MEMBRANE ASSEMBLY AND THE WEIGHT OF THE LAY-IN CEILING PANELS IS NOT ADEQUATE TO RESIST AN UPWARD FORCE OF 1 POUND PER SQUARE FOOT (47.9 psf) PROVIDE APPROVED WIRE HOLD-DOWNS OR RETAINING CLIPS OR OTHER APPROVED DEVICES. THESE SHALL BE INSTALLED ABOVE THE PANELS TO PREVENT VERTICAL DISPLACEMENT UNDER SUCH UPWARD FORCE. PROVIDE ACCESS CLIPS IN LIEU OF HOLD-DOWN CLIPS AT LOCATIONS AS REQUIRED BY CODE AND WHERE ACCESS TO FIXTURES, EQUIPMENT OR OTHER ELEMENTS IS REQUIRED SUCH AS FOR MAINTENANCE, TESTING, INSPECTION, ADJUSTMENT AND MONITORING. S.M.D. FOR SPECIFIC LOCATION WHERE NOTED. PROVIDE ACCESS CLIPS AT ALL REQUIRED LOCATIONS WHETHER SPECIFICALLY NOTED OR NOT.

4 TYP. SUSP. ACOUS. CLG. NOTES

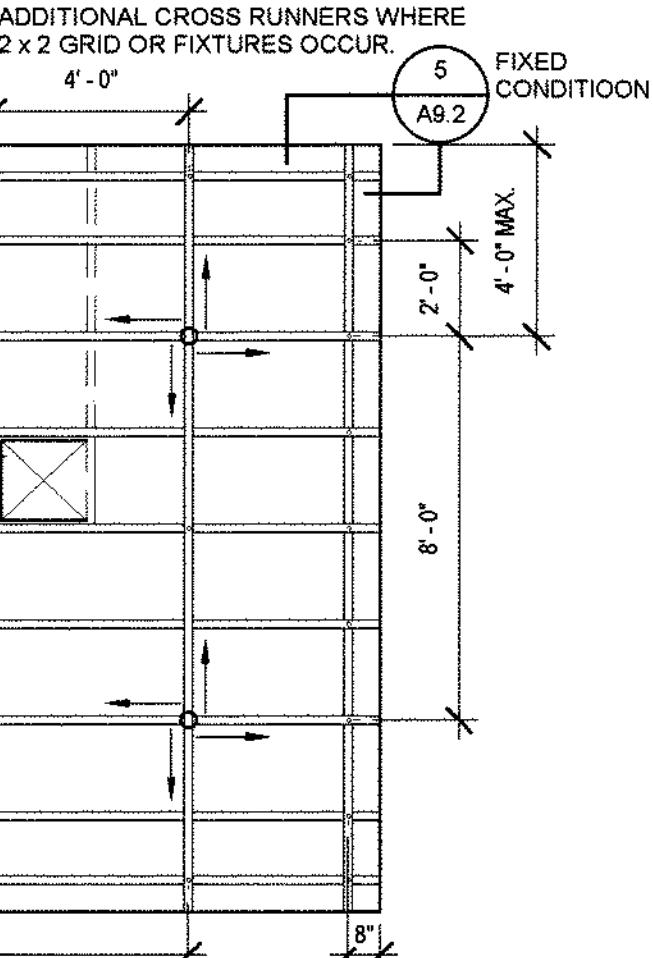
1/8" = 1'-0"

NOTE: TWO ADJACENT WALLS SHALL BE FIXED AND TWO SHALL BE FREE. NOTCHING OF HORIZ. SECTIONS PERMITTED AT INTERSECTIONS W/ MAIN RUNNERS OR CROSS TEES. LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO CEILING GRID. THE LIGHT FIXTURES SHALL ALSO BE INDEPENDENTLY ATTACHED TO THE STRUCTURE SEPARATE FROM THE CEILING GRID W/ (1) - #12 WIRE AT (2) CORNERS DIAGONALLY ACROSS FROM ONE ANOTHER.



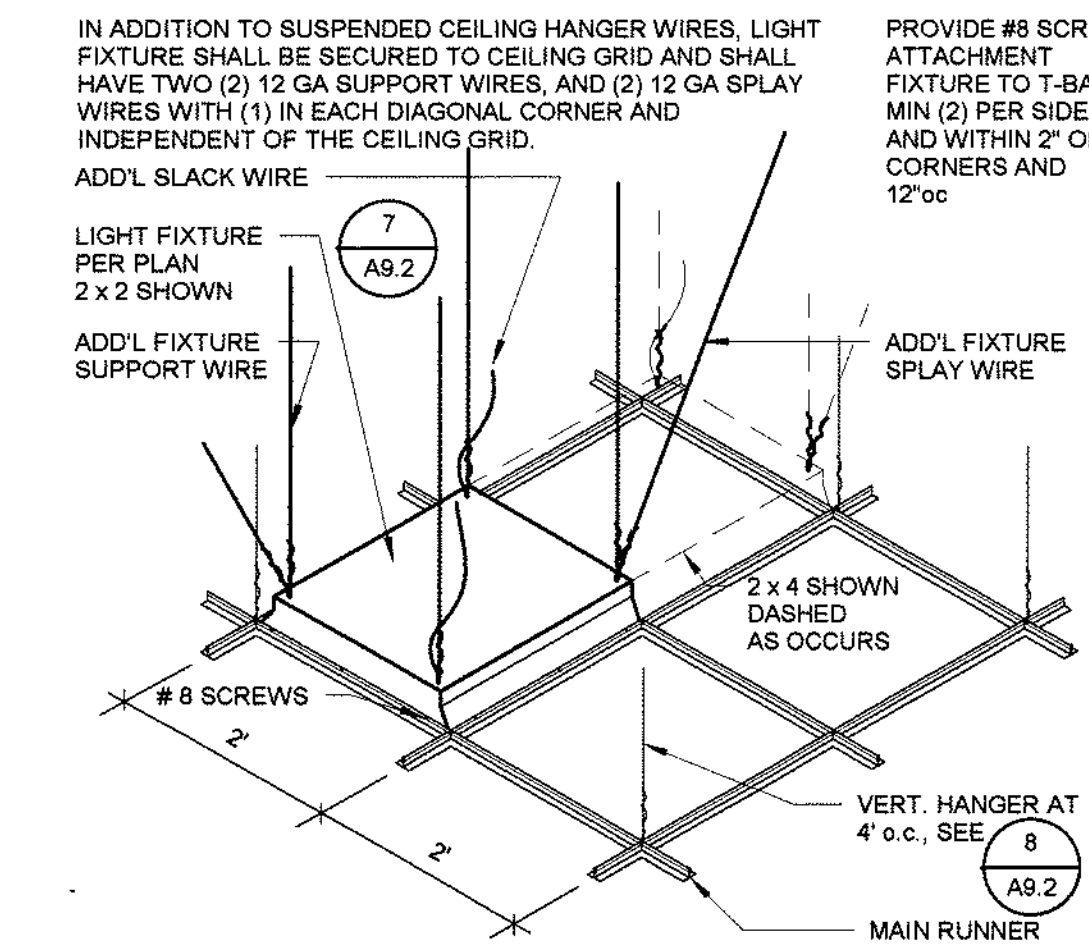
5 SUSPENDED CEILING

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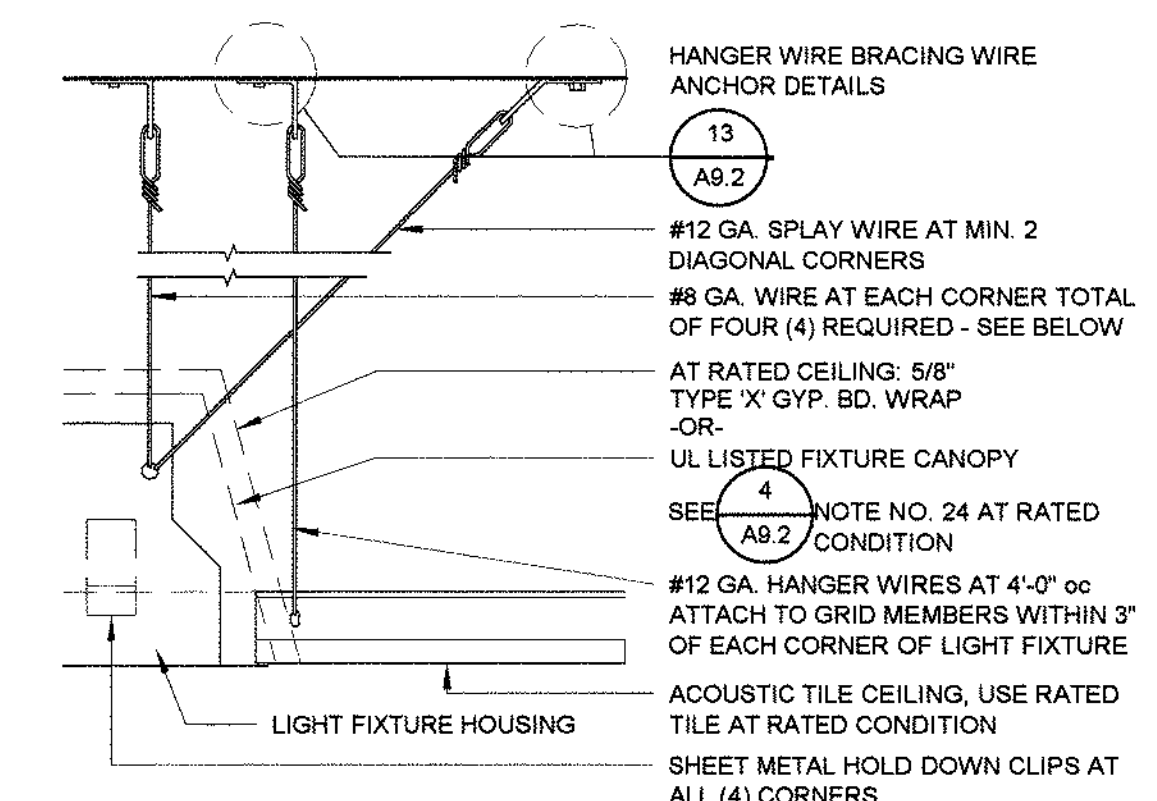
11 TYP. DIAGRAMMATIC ACOUSTICAL CEILING PLAN

1/4\"/>



12 LIGHT FIXTURE1

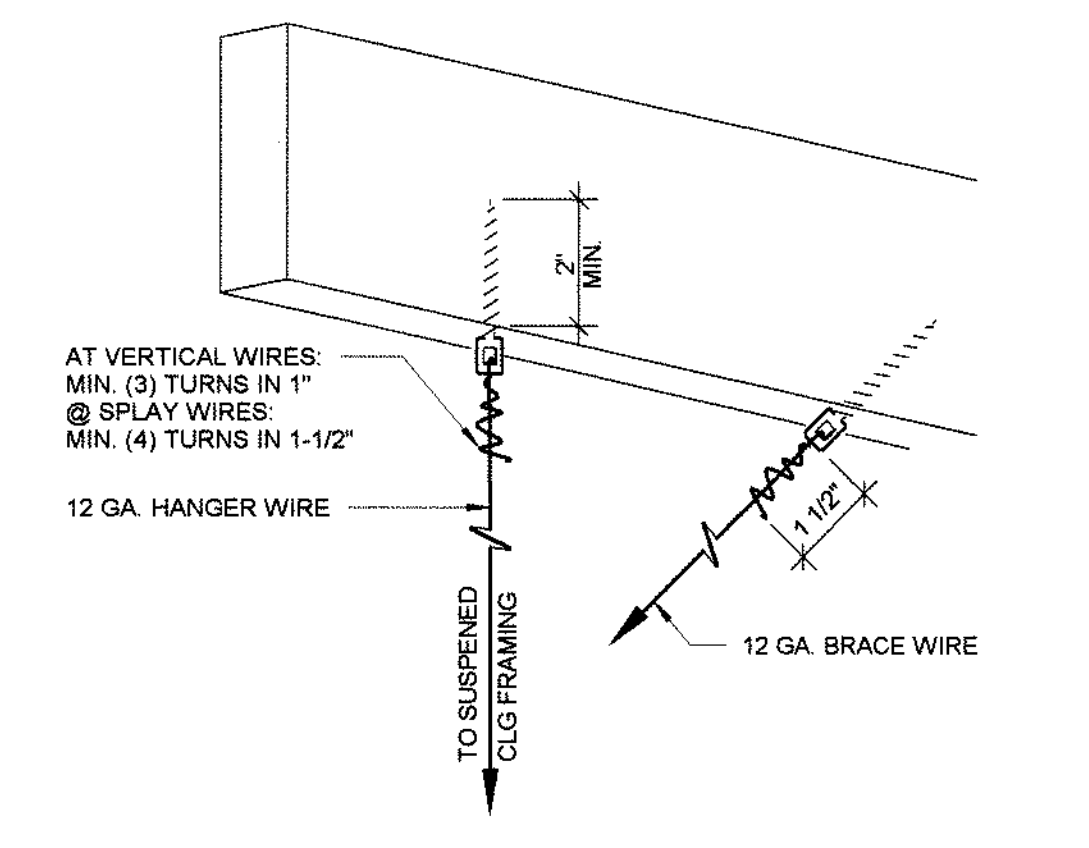
1 1/2\"/>



RATED FIXTURE HOUSING SHALL BE COORDINATED FOR SPACE REQUIREMENTS. SEE ICBO ER# 1939 AND ER# 2244 FOR ADDITIONAL REQUIREMENTS. PROVIDE ADDITIONAL SUPPORT AS REQUIRED WHERE SPACE IS LIMITED.

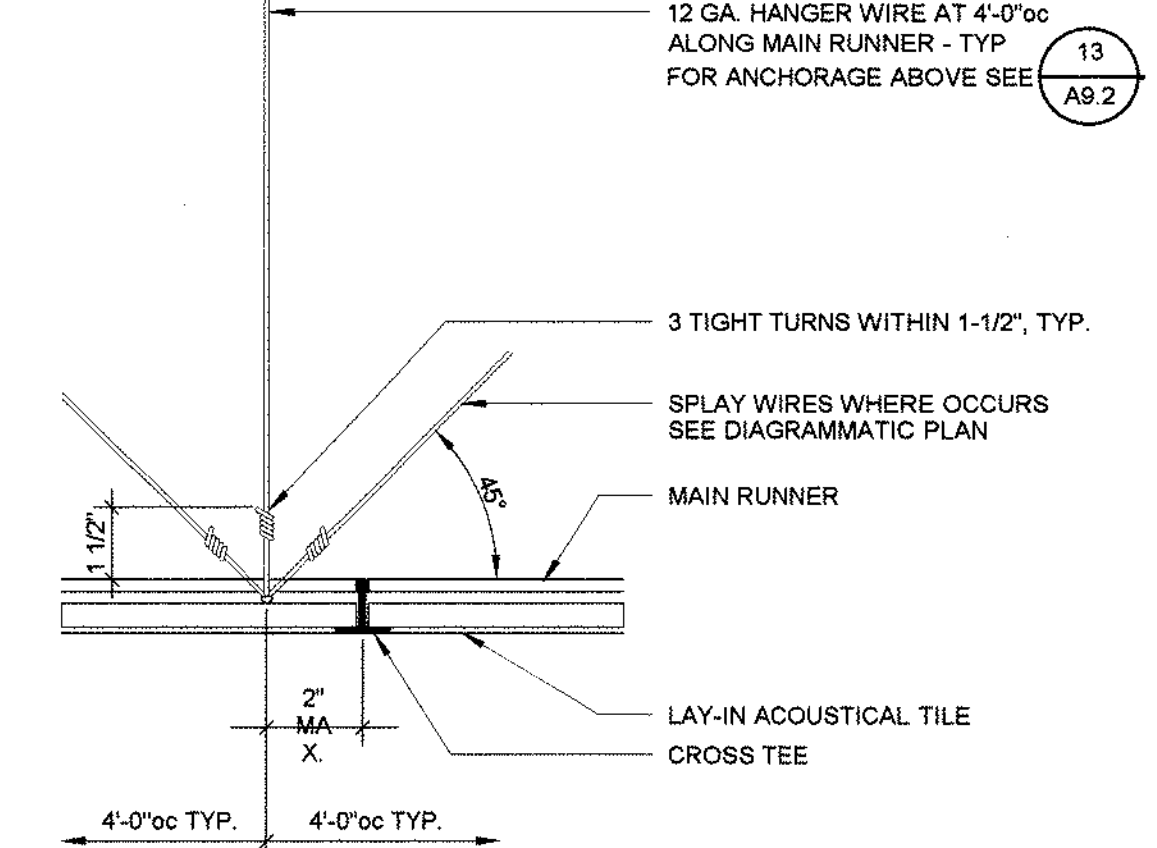
7 LIGHT FIXTURE SUPPORT1

3\"/>



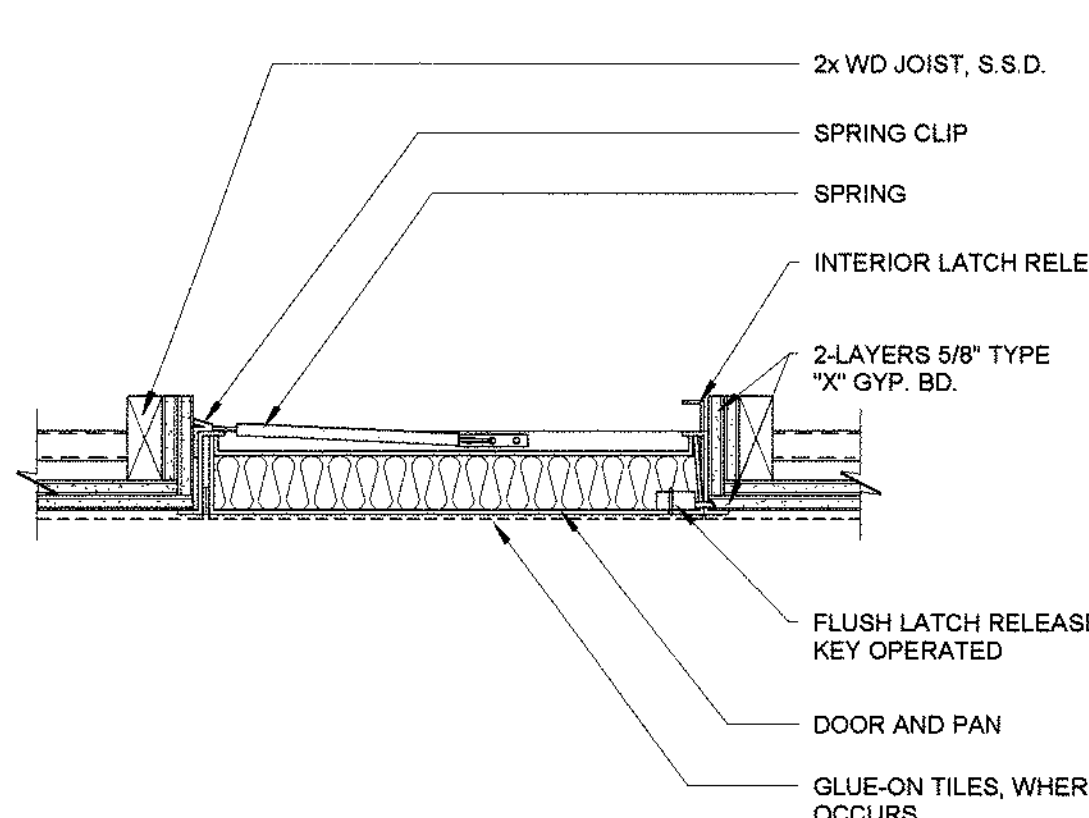
13 HANGER WIRE ATTACHMENT

1 1/2\"/>



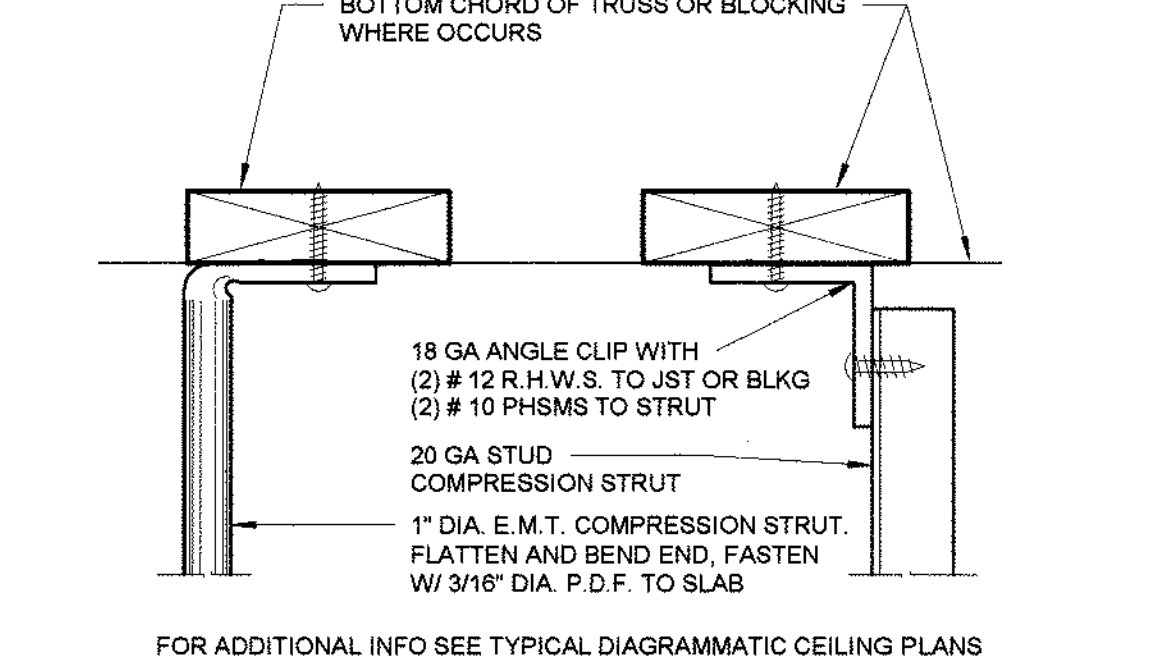
8 ACOUST. CLG. HANGER WIRE

3\"/>



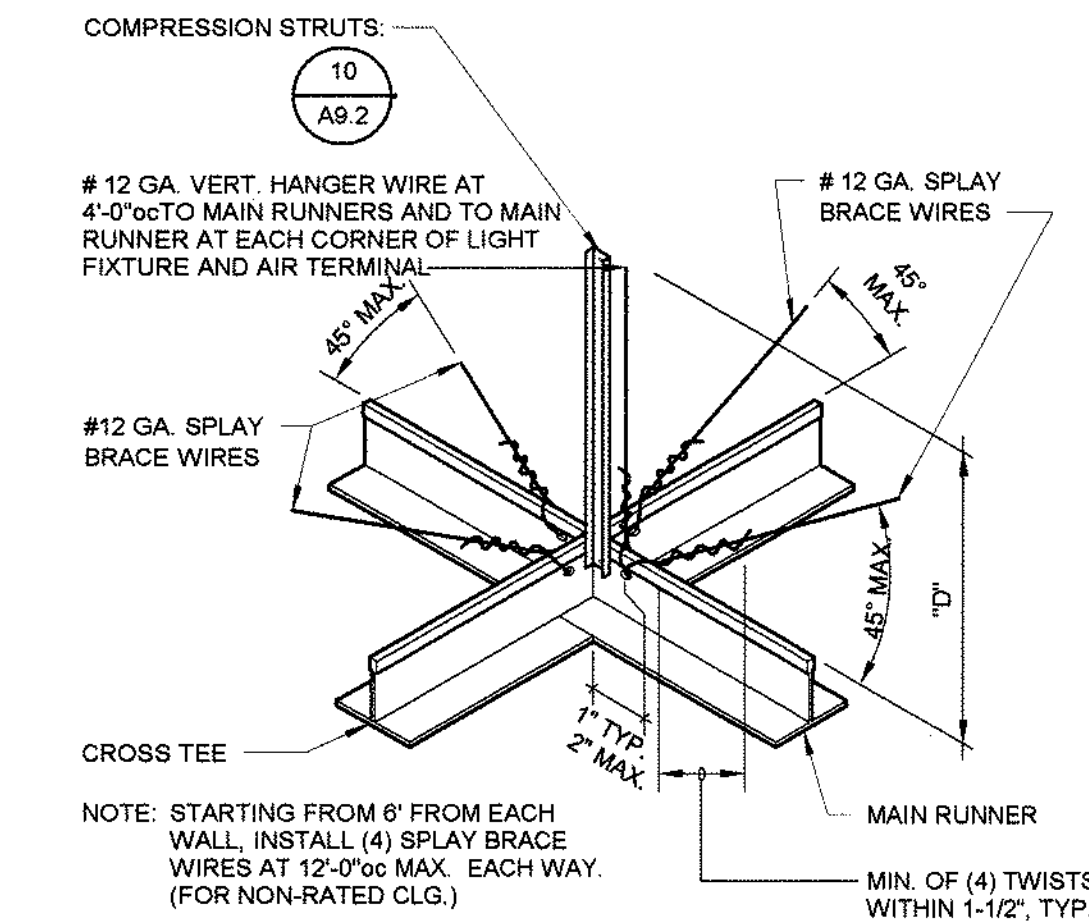
14 1-HOUR RATED CLG. ACCESS PANEL

1 1/2\"/>



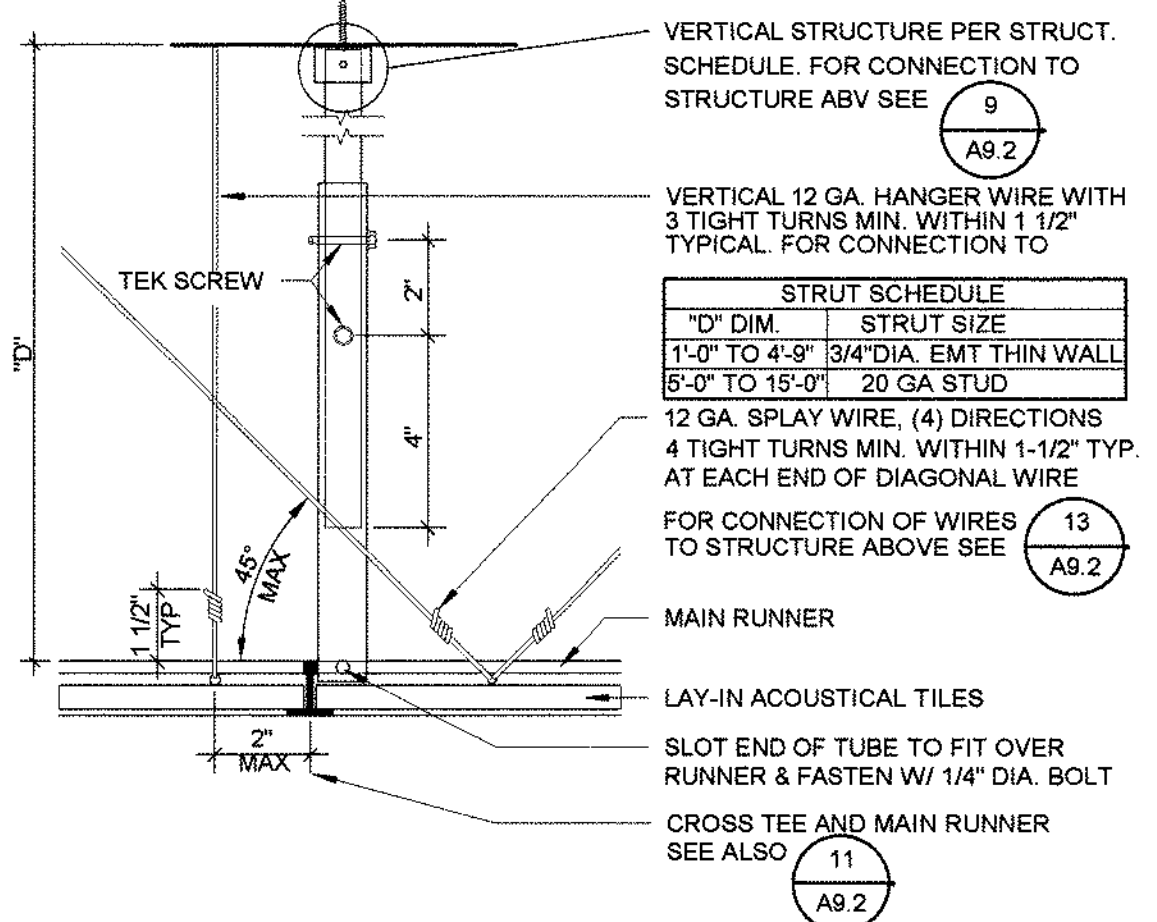
9 COMPRESSION STRUT/BRACE

3\"/>



15 SUSPENDED CEILING BRACING

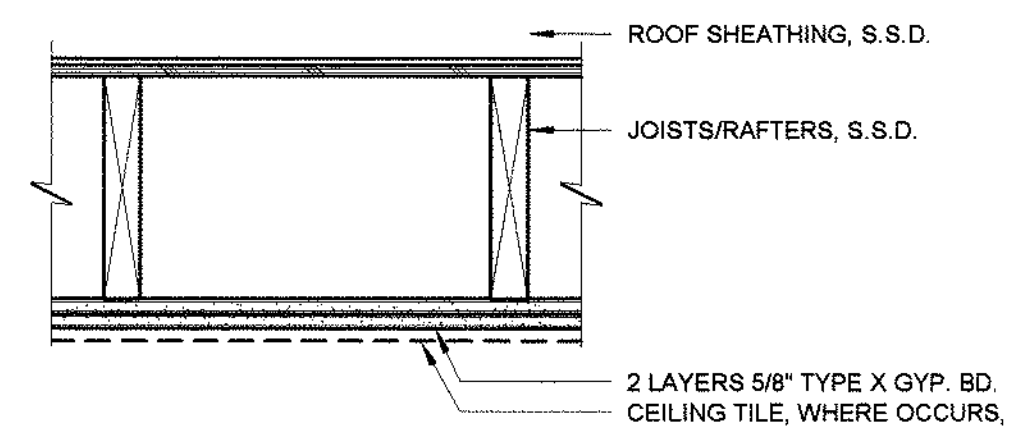
1 1/2\"/>



10 LATERAL BRACE/COMP STRUT

3\"/>

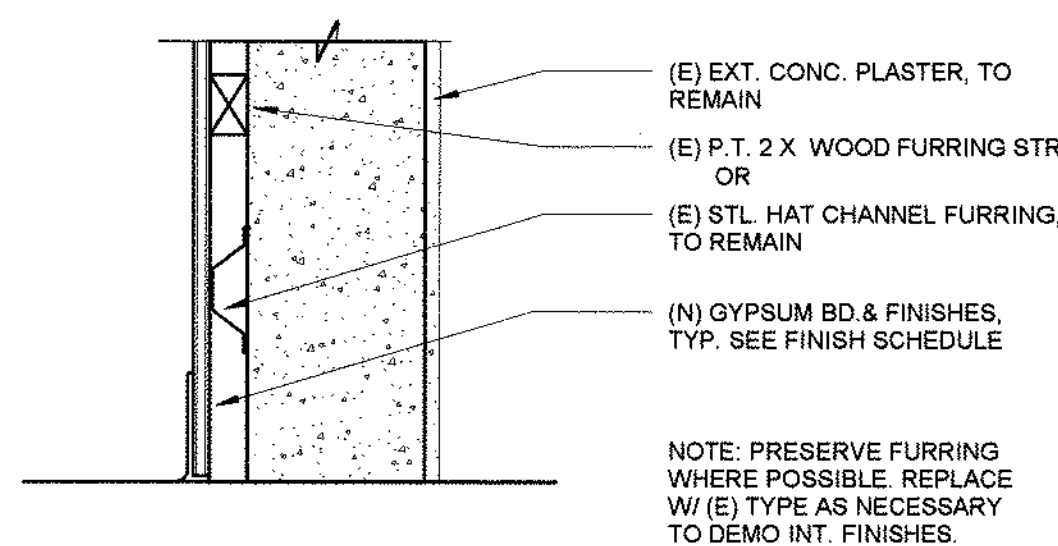
ASSEMBLY DESCRIPTION
Gypsum board, wood joists, roof covering
GA FILE NO. RC 2001
Base layer 5/8" Type X gypsum wallboard applied at right angles to 2x10 wood joists 24" o.c. with 1 1/4" Type S drywall screws 24" o.c. Face layer 5/8" Type X gypsum wallboard or cement base applied at right angles to joists through base layer with 1 7/8" Type S drywall screws 12" o.c. at joints and intermediate joints. Face layer joints offset 24" from base layer joints. 1-1/2" Type S drywall corners placed 2" back on either side of face layer end joints. 1/2" o.c. 1/2" plywood with exterior glue applied at right angles to top of joists with 24" o.c. Appropriate roof covering. Ceiling provides one hour fire resistance protection for wood framing, including trusses.
Approx. ceiling weight 5 p.s.f.
For test: FM PG 172, 2-29-72



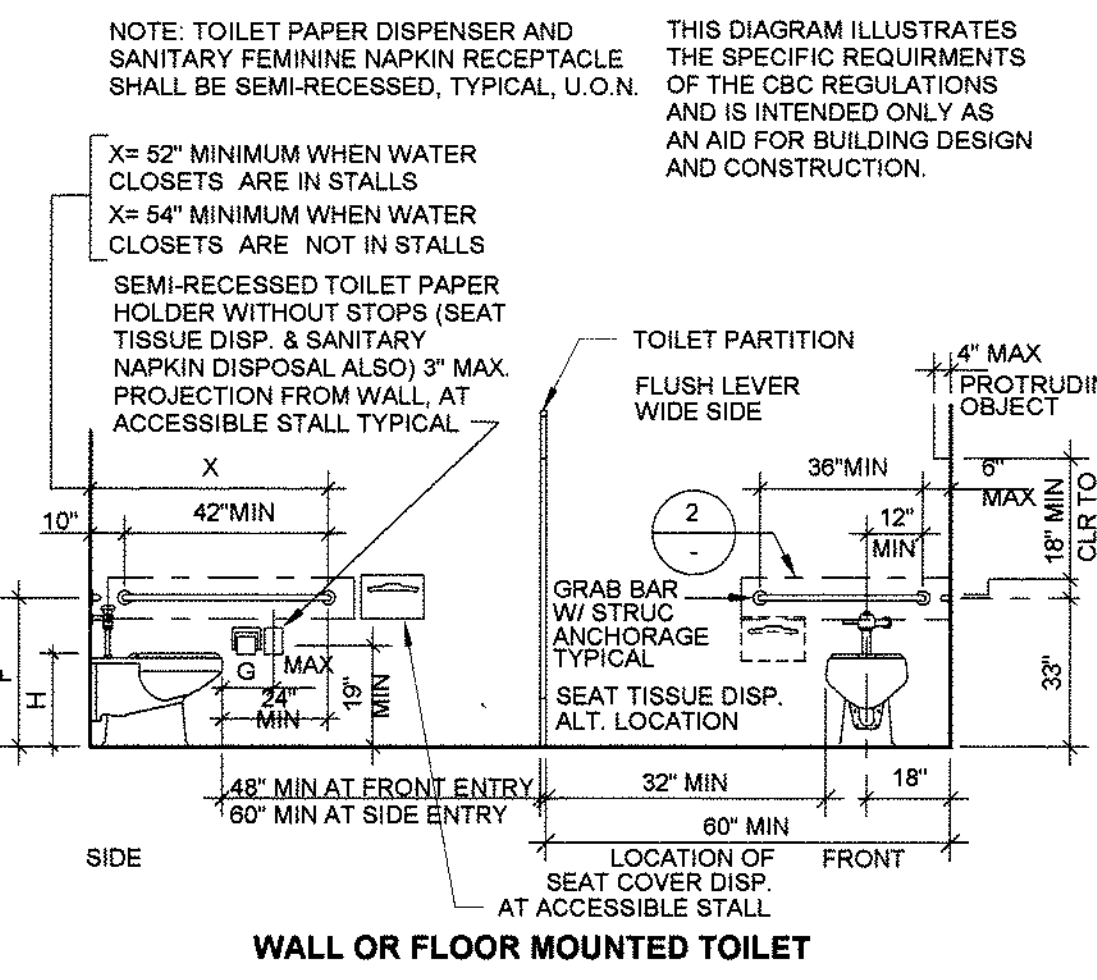
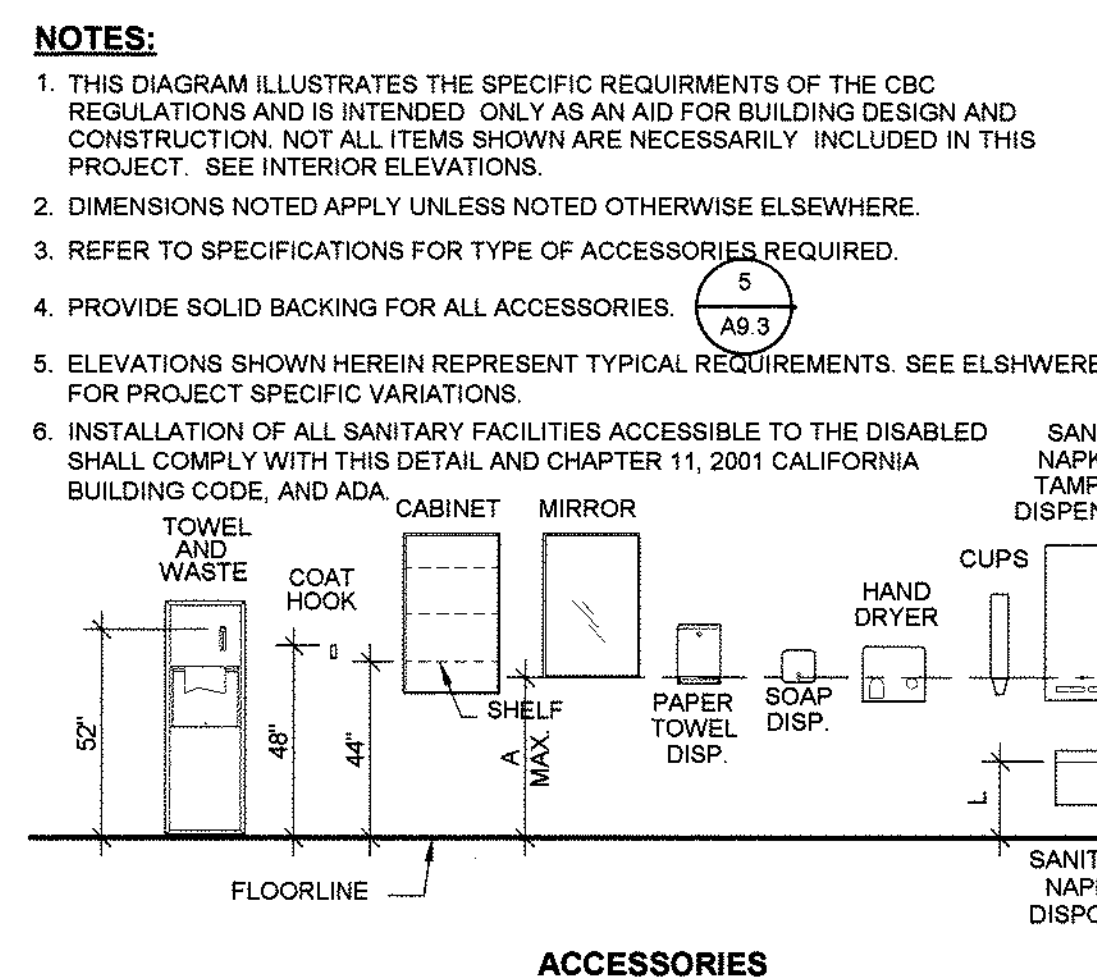
23 1-HOUR CEILING ASSEMBLY

1 1/2\"/>

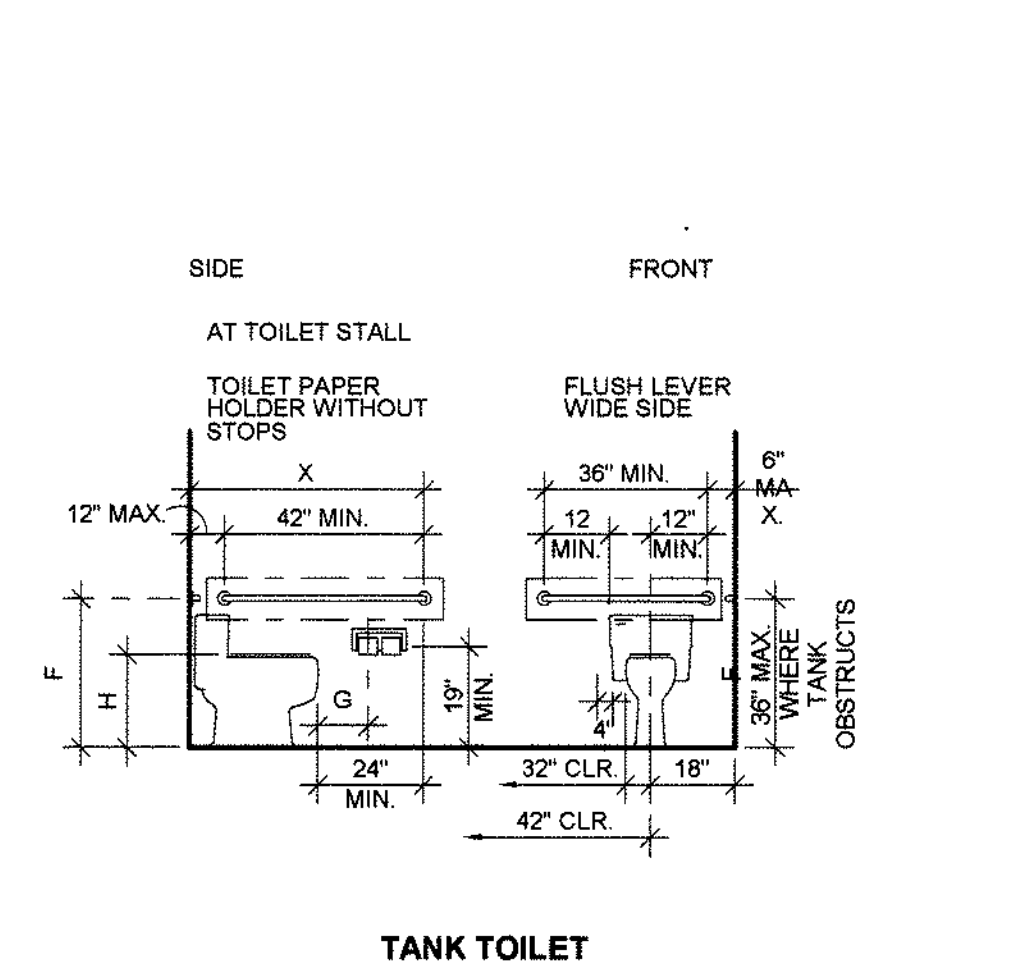
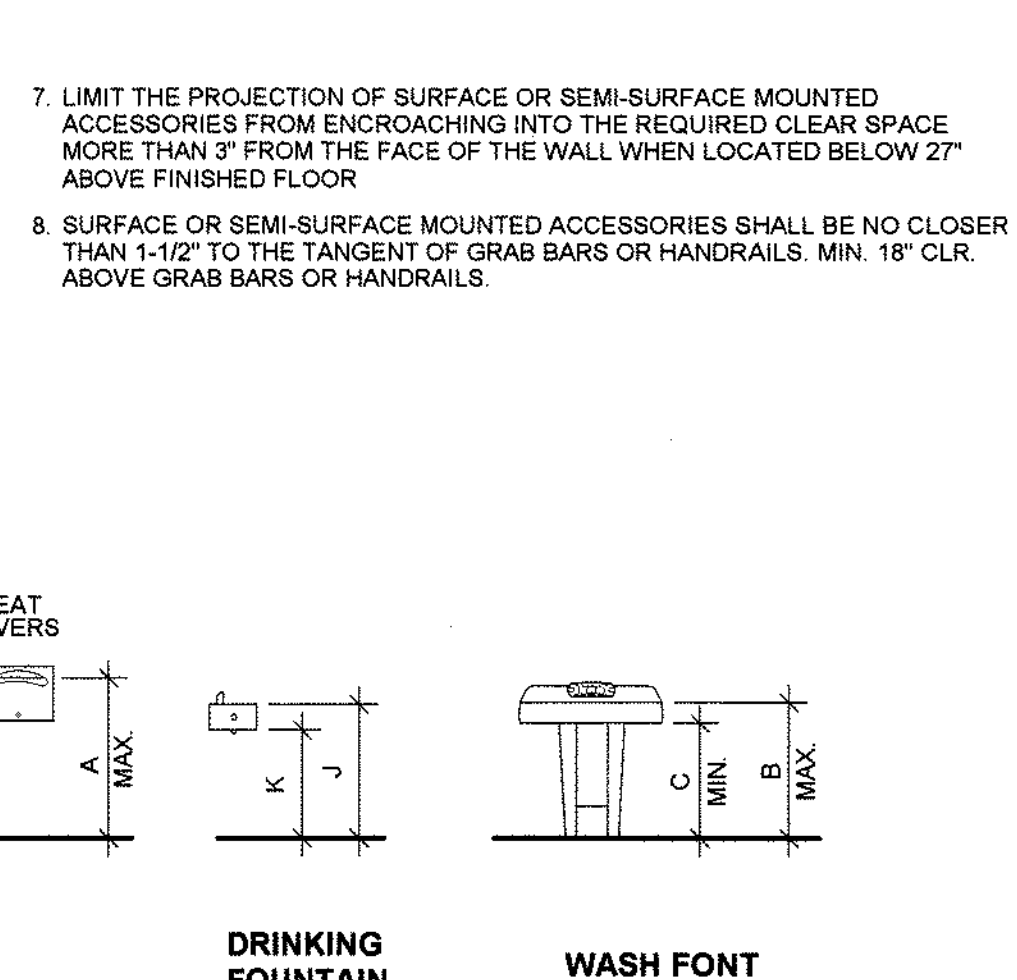
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26 (E) EXTERIOR CONCRETE WALL
1 1/2" = 1'-0"

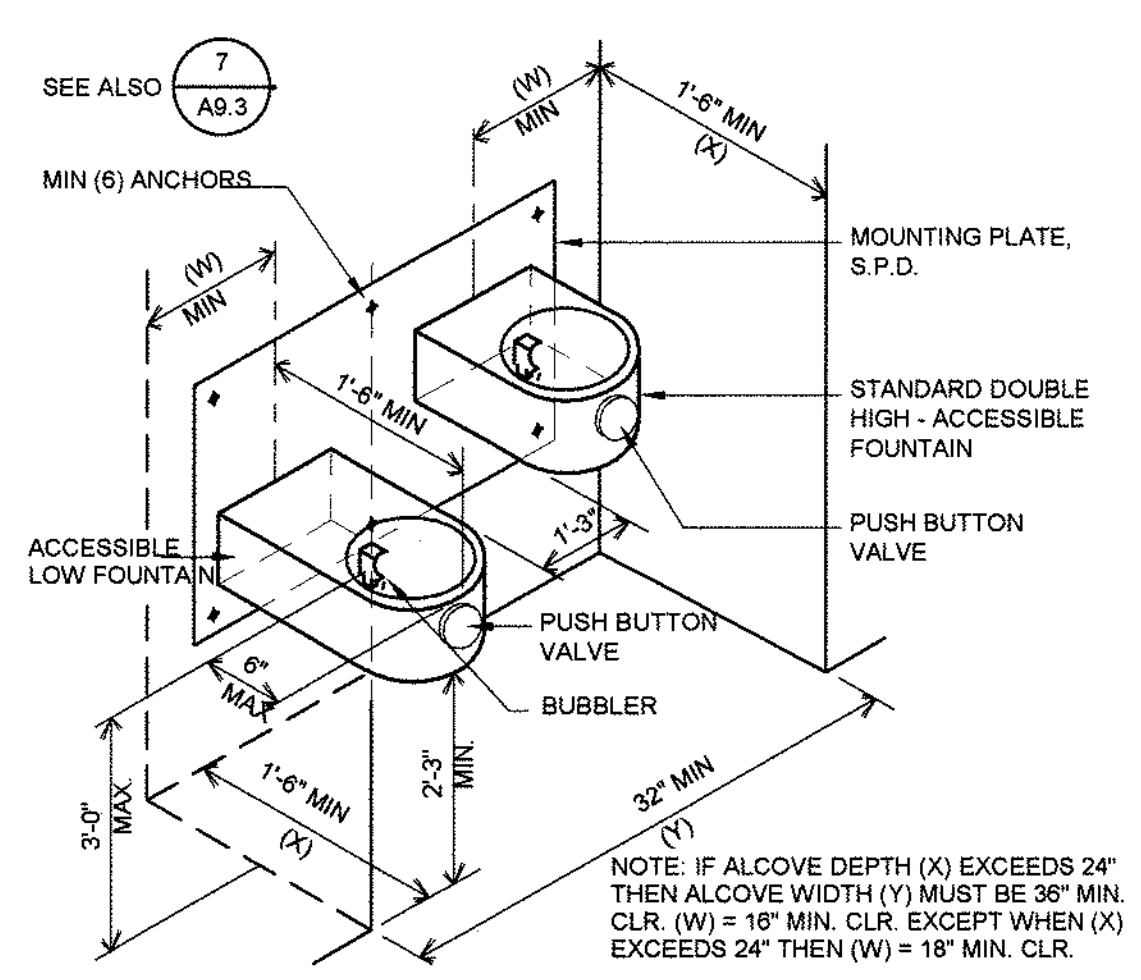


22 TYP. ACCESSIBLE FIXTURE MOUNTING HTS
1/4" = 1'-0"

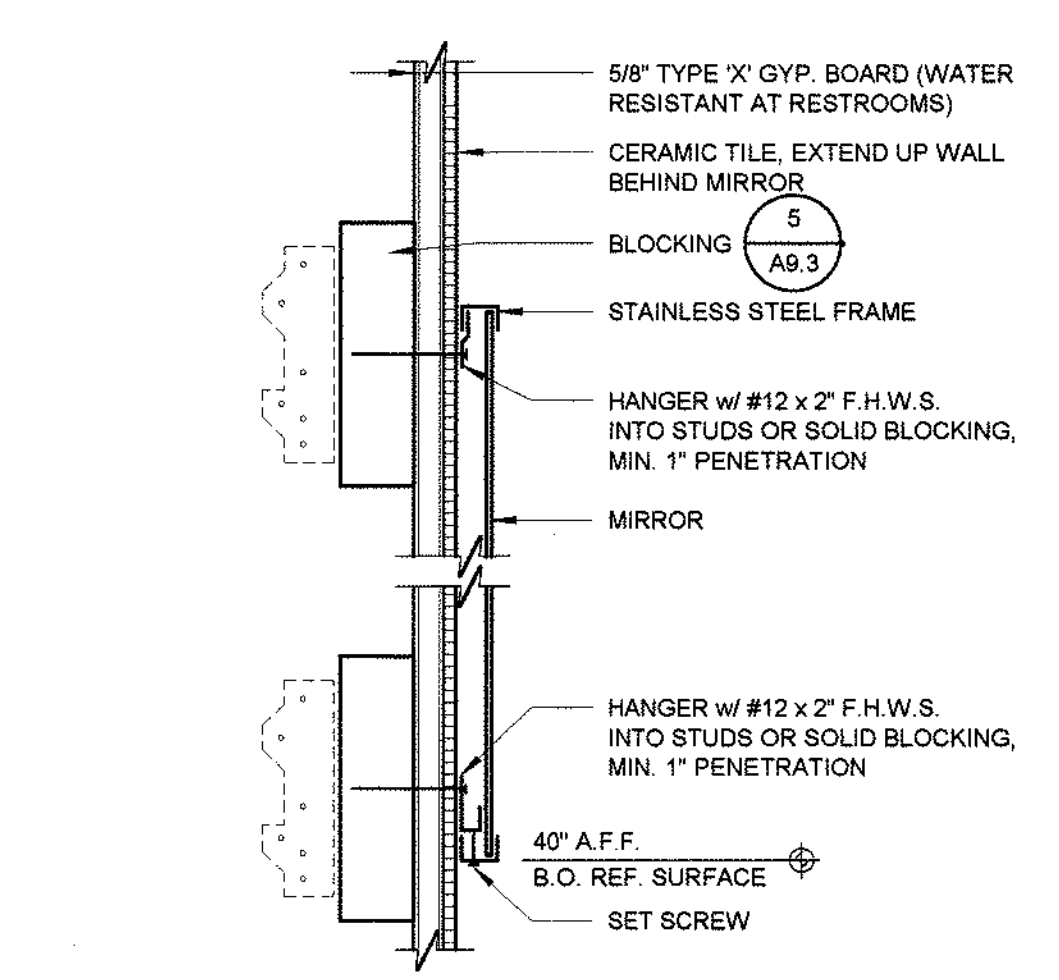


22 TYP. ACCESSIBLE FIXTURE MOUNTING HTS
1/4" = 1'-0"

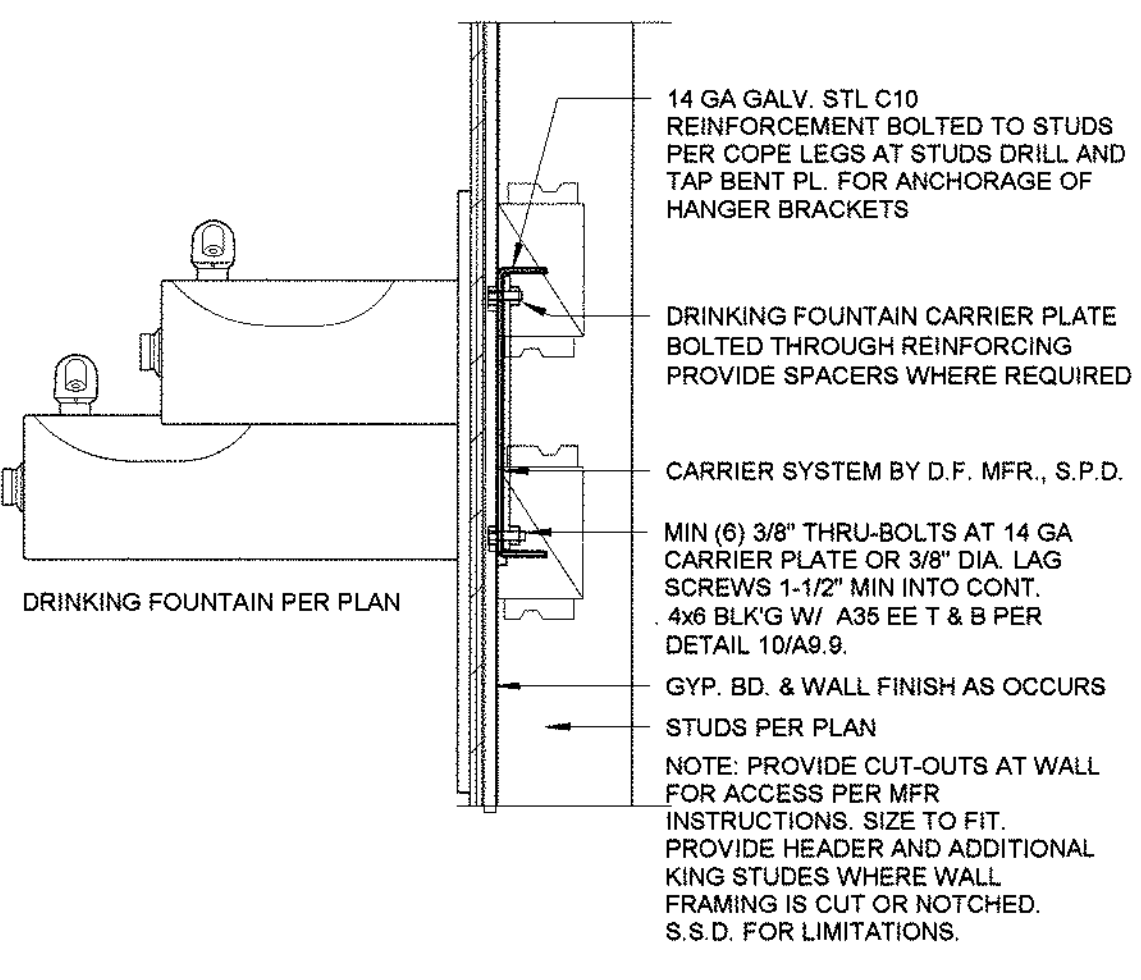
ITEM	ELEM. SCHOOL-AGE	ADULT
A PAPER TOWEL DISP./ELEC. HAND DRYER	36"	40"
SOAP DISPENSER	36"	40"
BOTTOM OF MIRROR	36"	40"
TOILET SEAT COVER DISPENSER	36"	40"
TOP OF SINK	29"	34"
BOTTOM OF SINK APRON	24"	29"
URINAL LIP HEIGHT	15" MAX.	17"
URINAL FLUSH HANDLE HEIGHT	37"	44"
GRAB BAR	27"	33"
TOILET PAPER DISPENSER	6"	12"
TOILET SEAT	15"	17" - 19"
DRINKING FOUNTAIN BUBBLER HT.	32" MAX.	38" MAX.
DRINKING FOUNTAIN KNEE SPACE	24" MIN.	27" MIN.
SANITARY NAPKIN DISPOSAL	N/A	14"



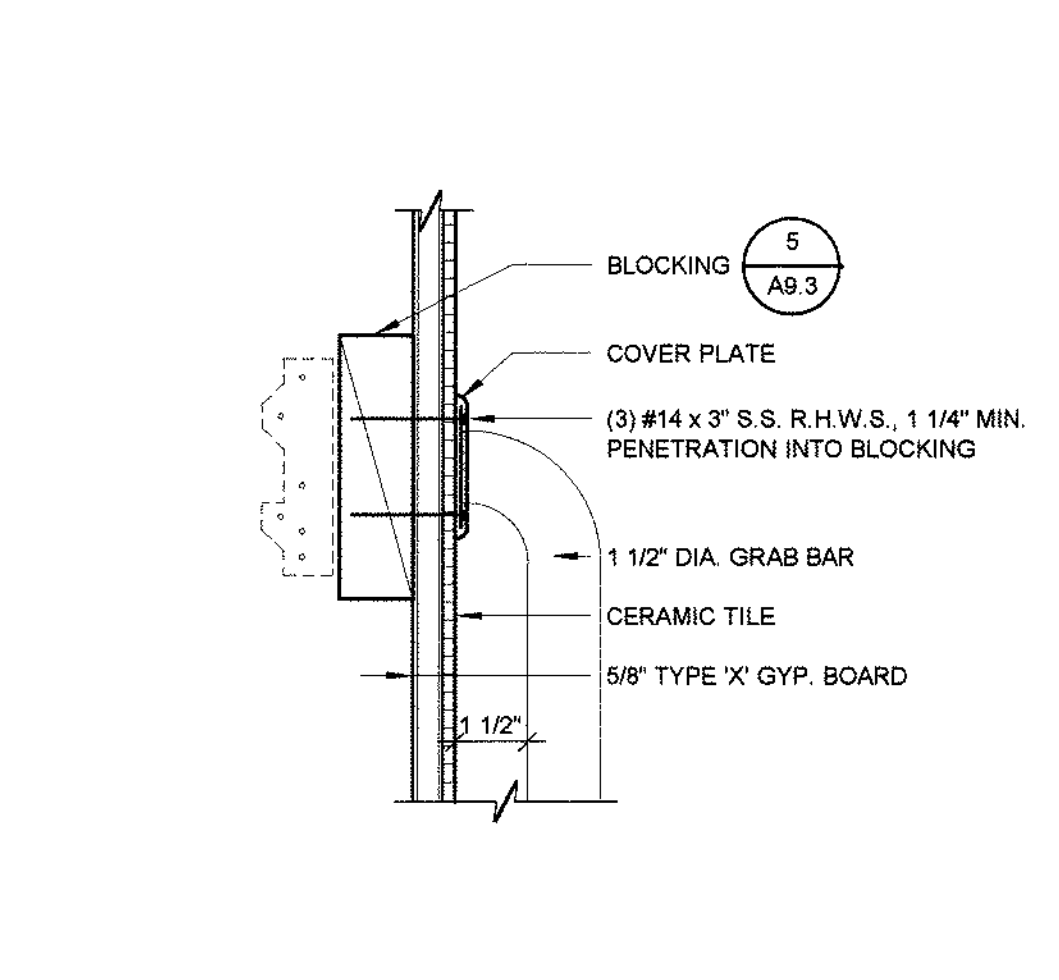
6 DRINKING FOUNTAIN ALCOVE
1:1



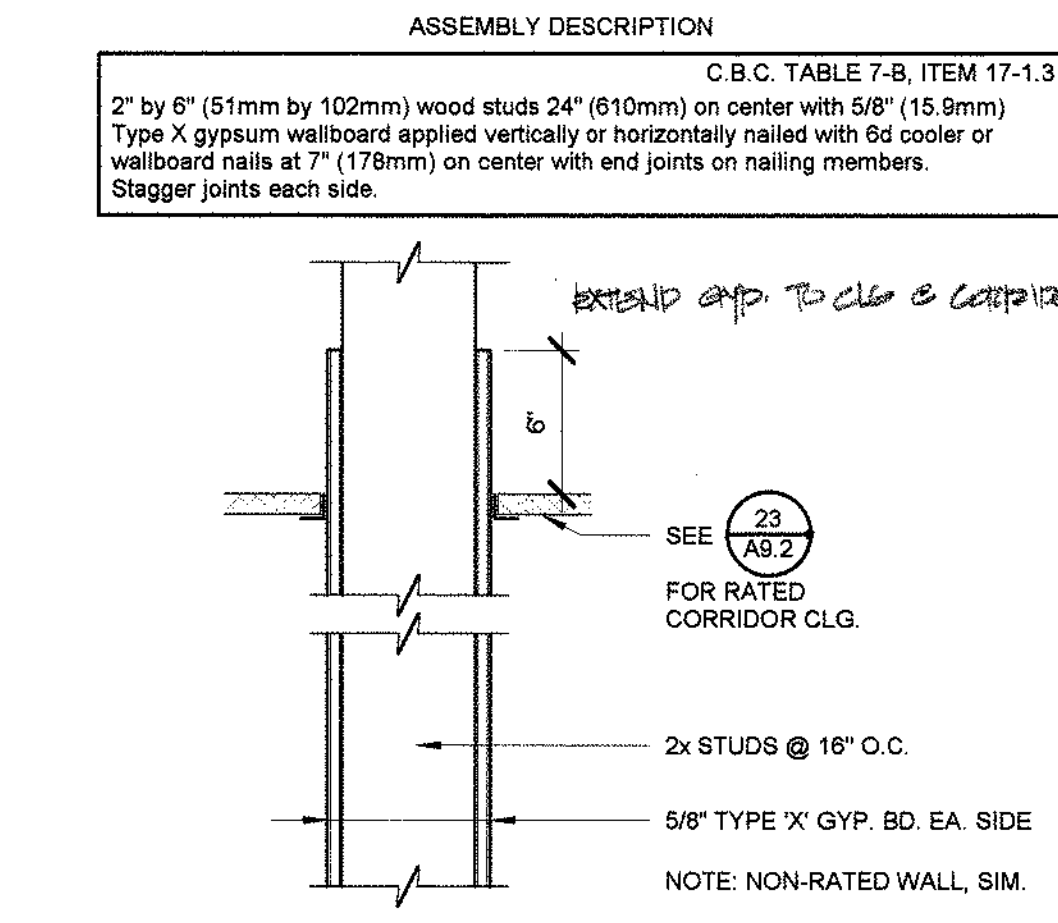
1 MIRROR ATTACHMENT
3" = 1'-0"



6 DRINKING FOUNTAIN ALCOVE
1:1



1 MIRROR ATTACHMENT
3" = 1'-0"



28 1-HR WALL - INTERIOR TYP.
1 1/2" = 1'-0"



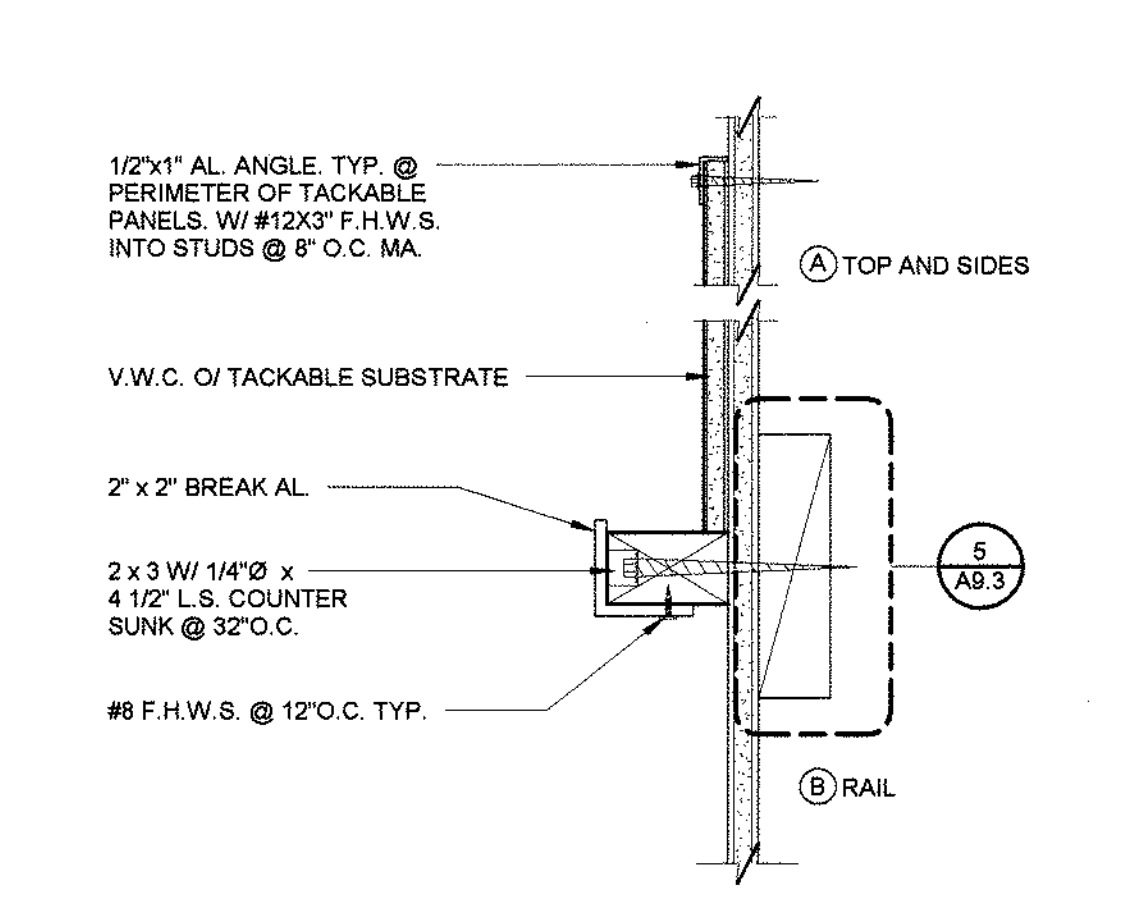
22 TYP. ACCESSIBLE FIXTURE MOUNTING HTS
1/4" = 1'-0"



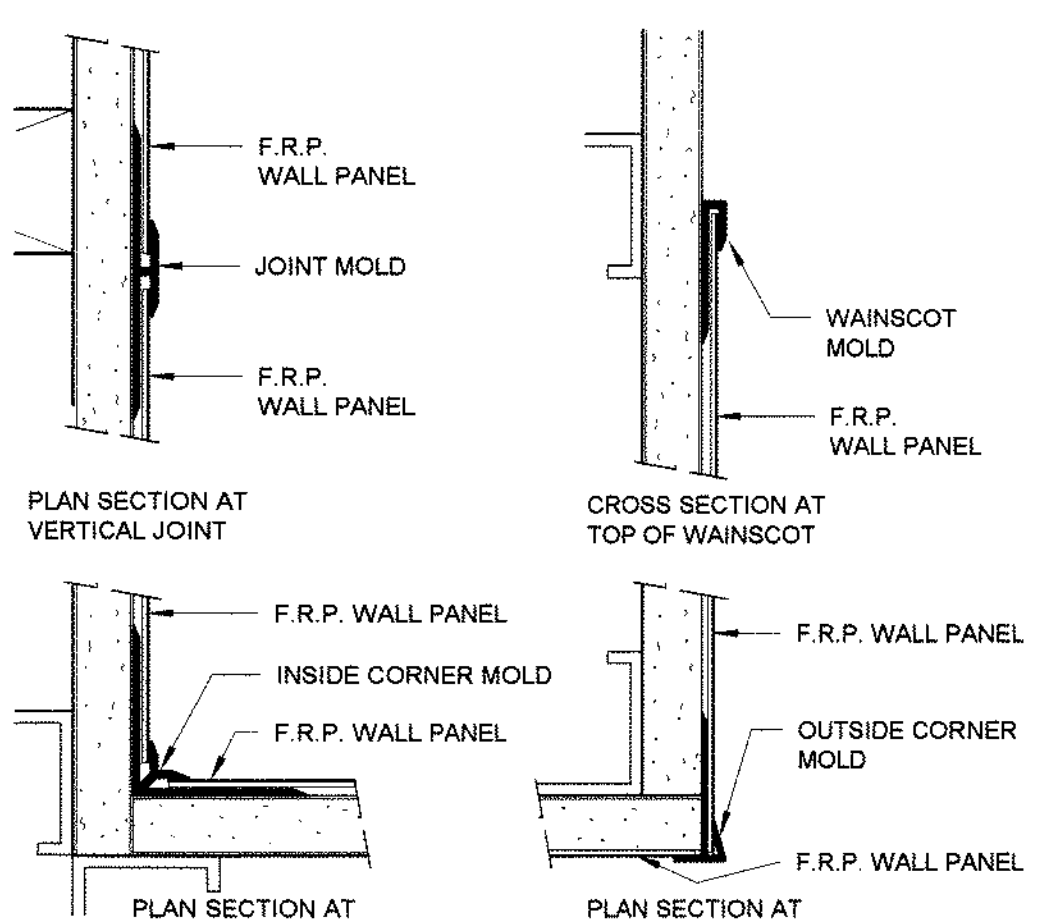
22 TYP. ACCESSIBLE FIXTURE MOUNTING HTS
1/4" = 1'-0"



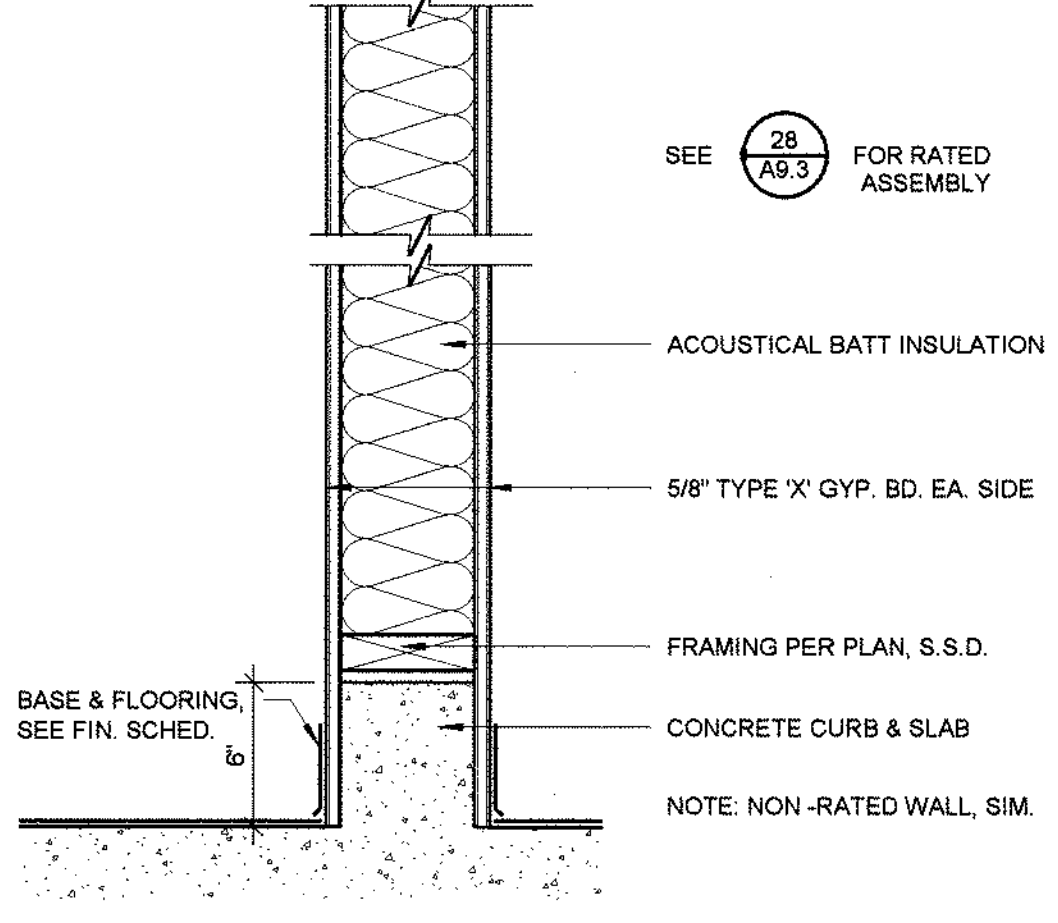
14 TYP. TOILET PARTITION DETAIL
3" = 1'-0"



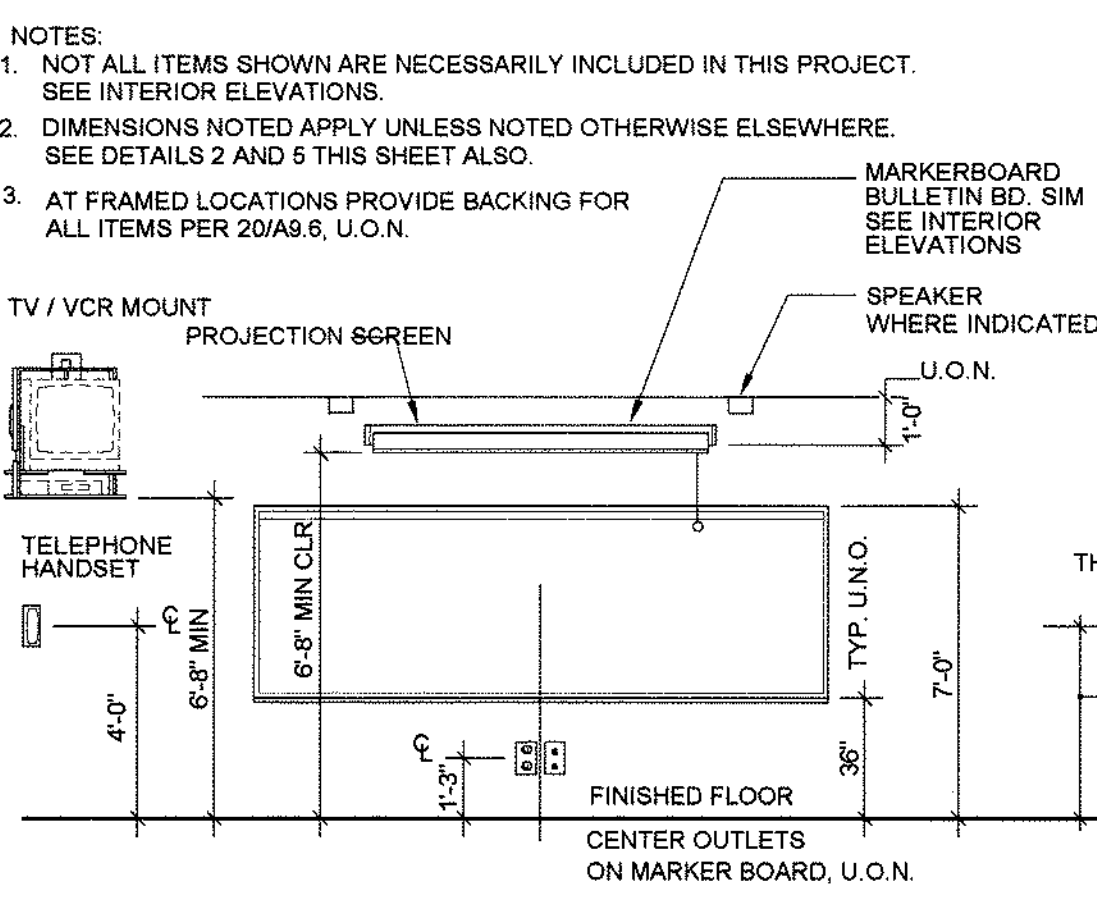
6 DRINKING FOUNTAIN ALCOVE
1:1



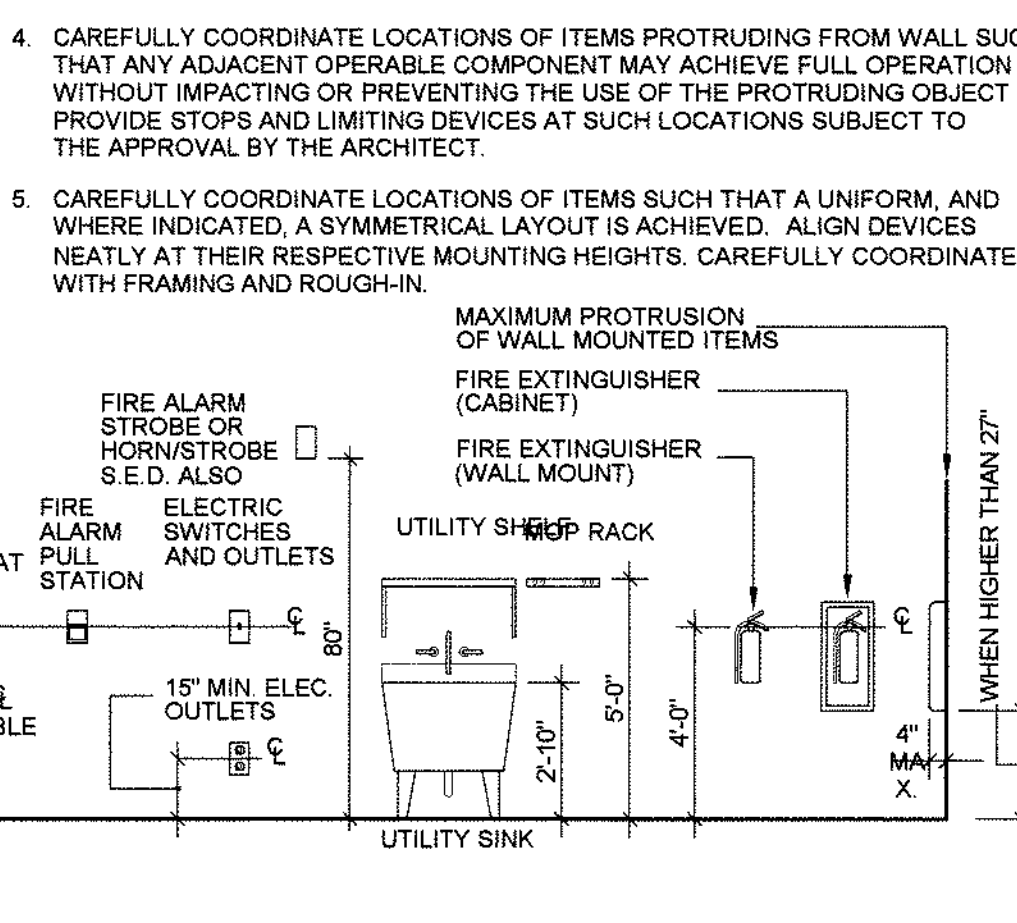
1 MIRROR ATTACHMENT
3" = 1'-0"



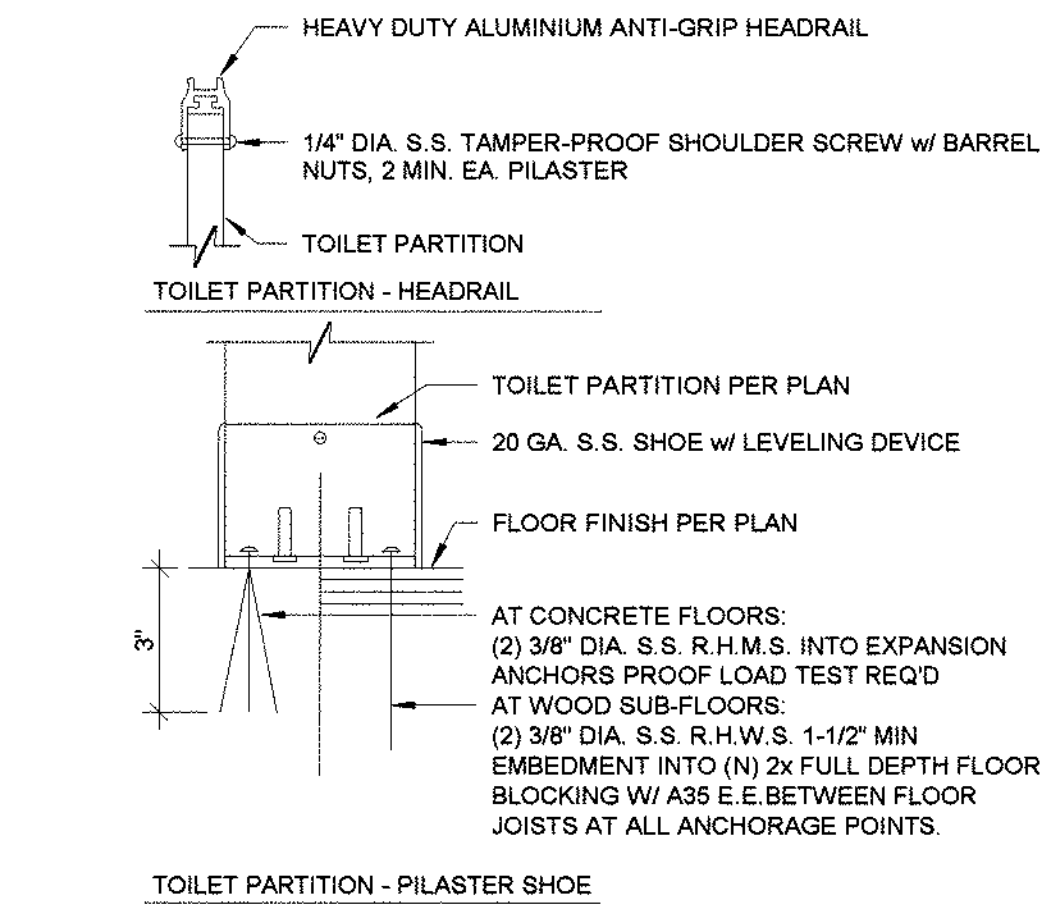
28 1-HR WALL - INTERIOR TYP.
1 1/2" = 1'-0"



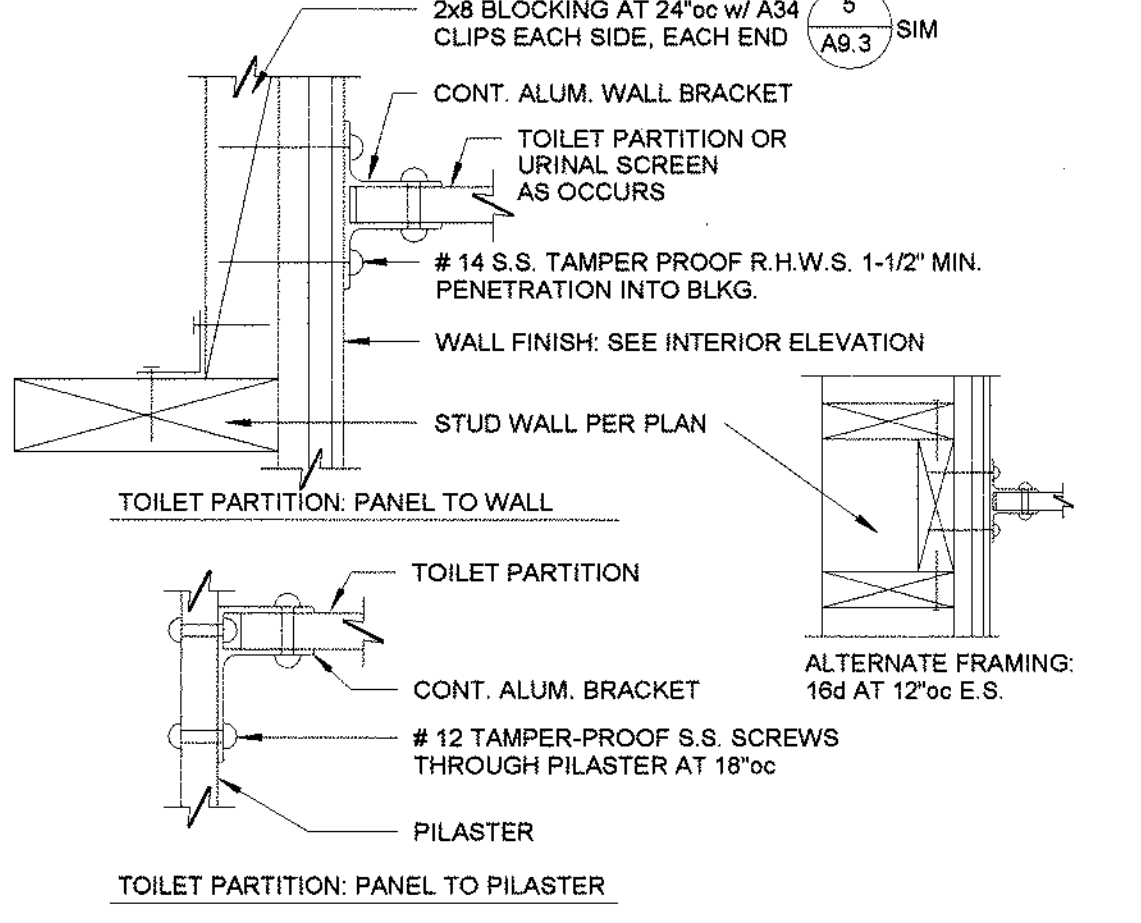
22 TYP. ACCESSIBLE FIXTURE MOUNTING HTS
1/4" = 1'-0"



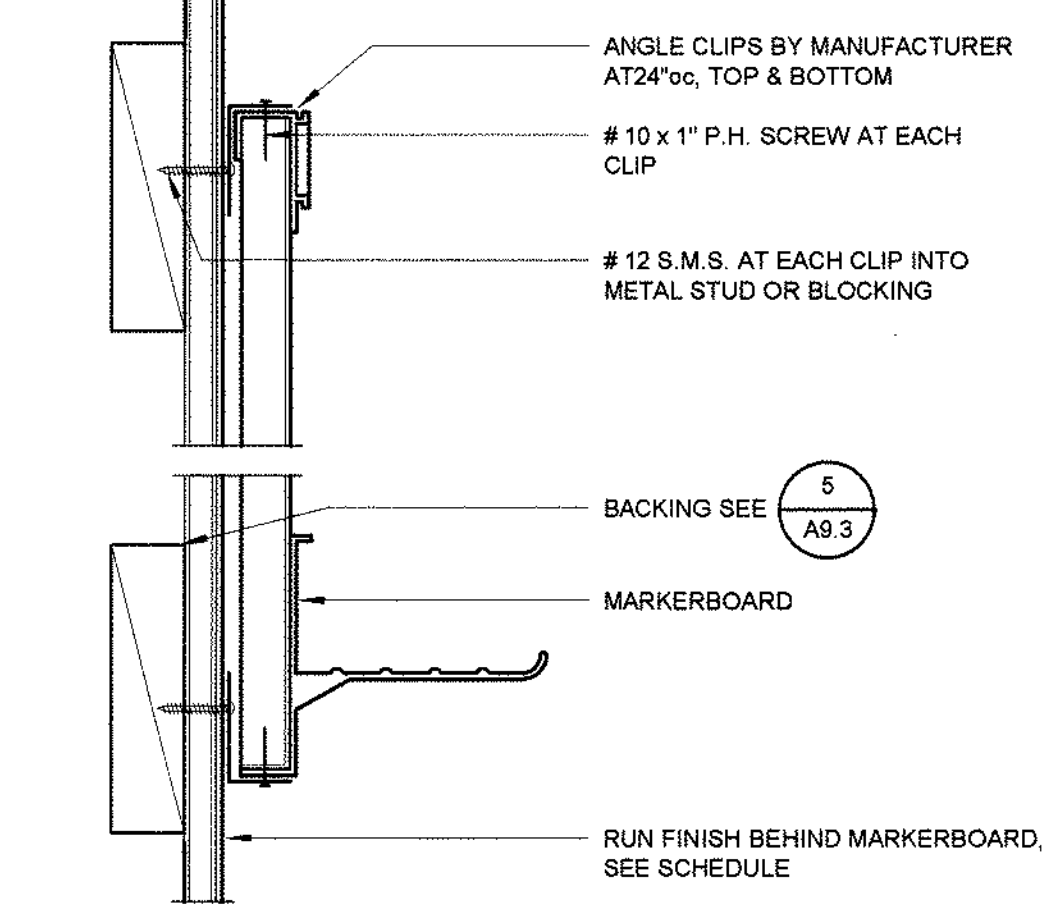
22 TYP. ACCESSIBLE FIXTURE MOUNTING HTS
1/4" = 1'-0"



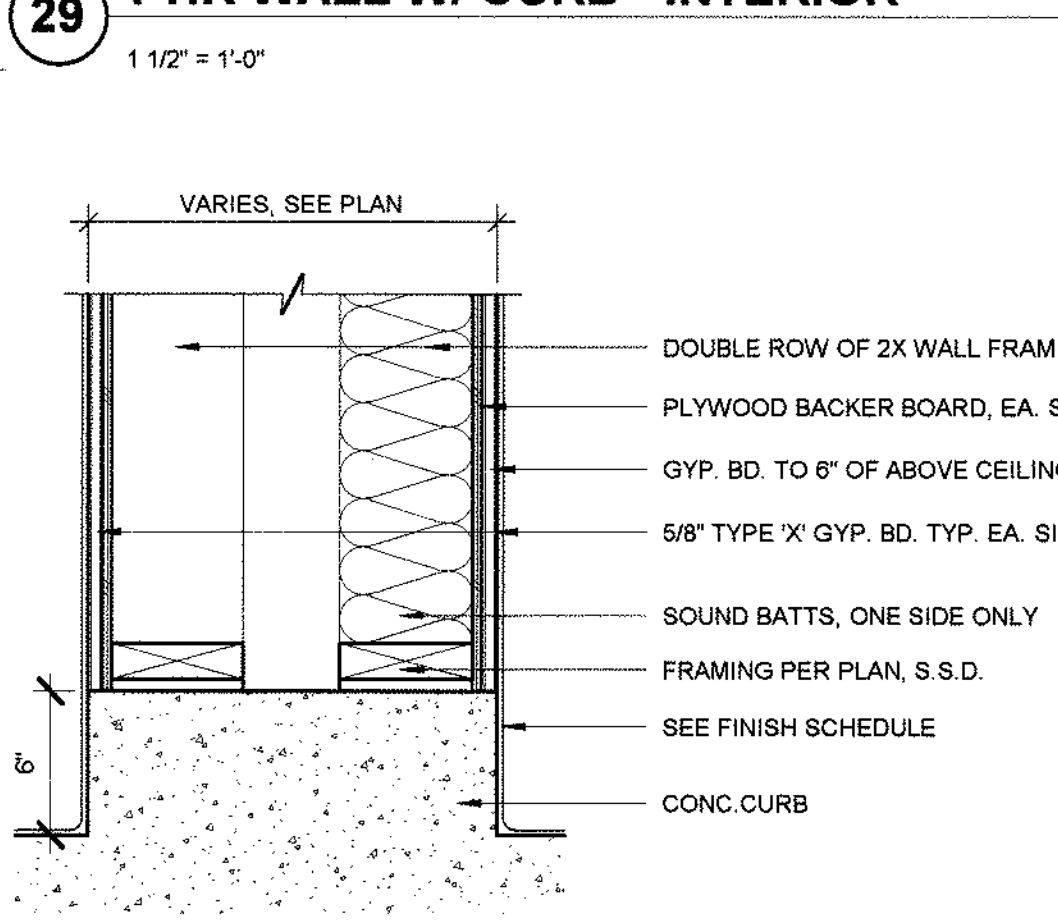
14 TYP. TOILET PARTITION DETAIL
3" = 1'-0"



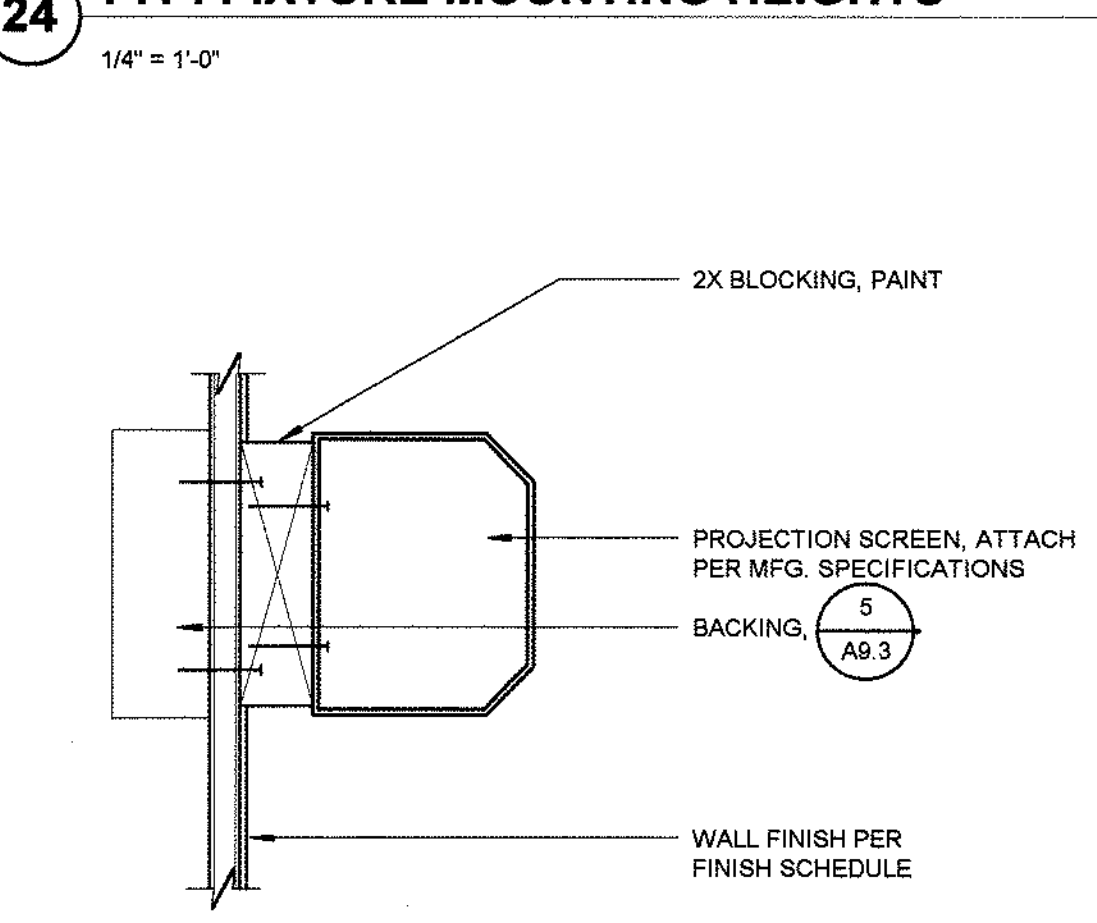
6 DRINKING FOUNTAIN ALCOVE
1:1



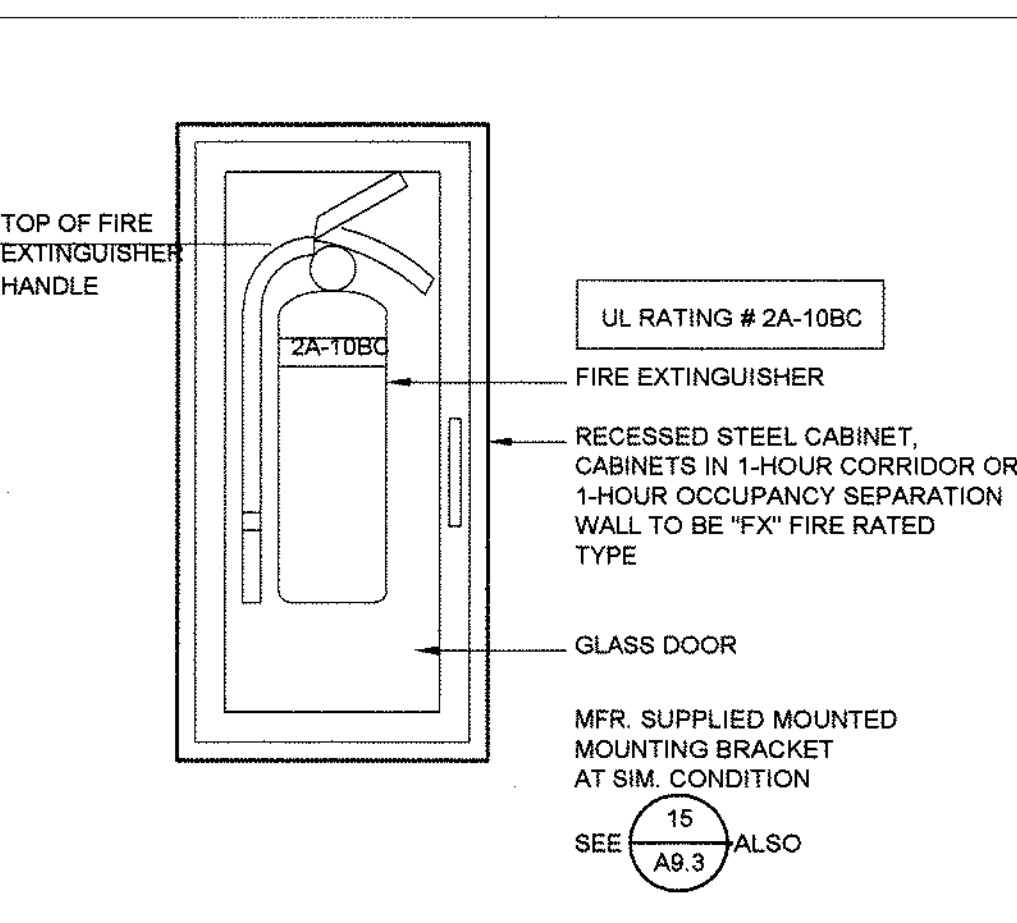
1 MIRROR ATTACHMENT
3" = 1'-0"



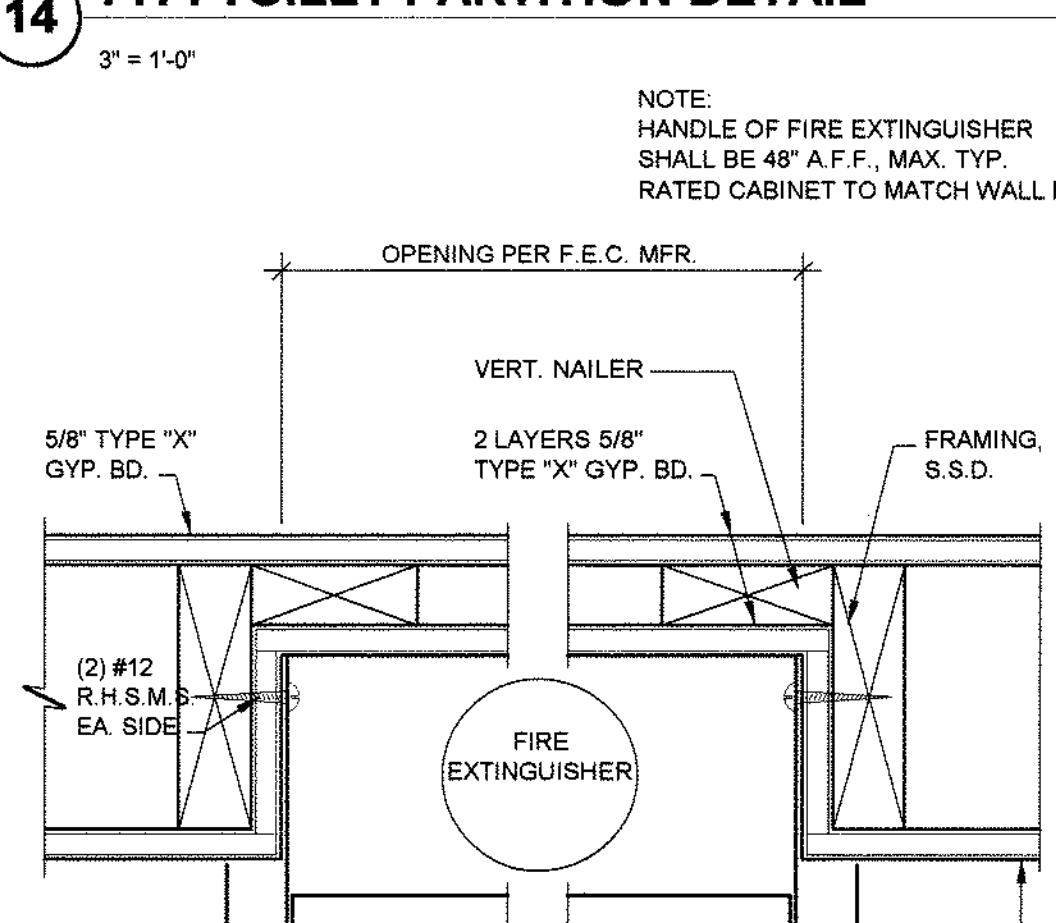
28 1-HR WALL - INTERIOR TYP.
1 1/2" = 1'-0"



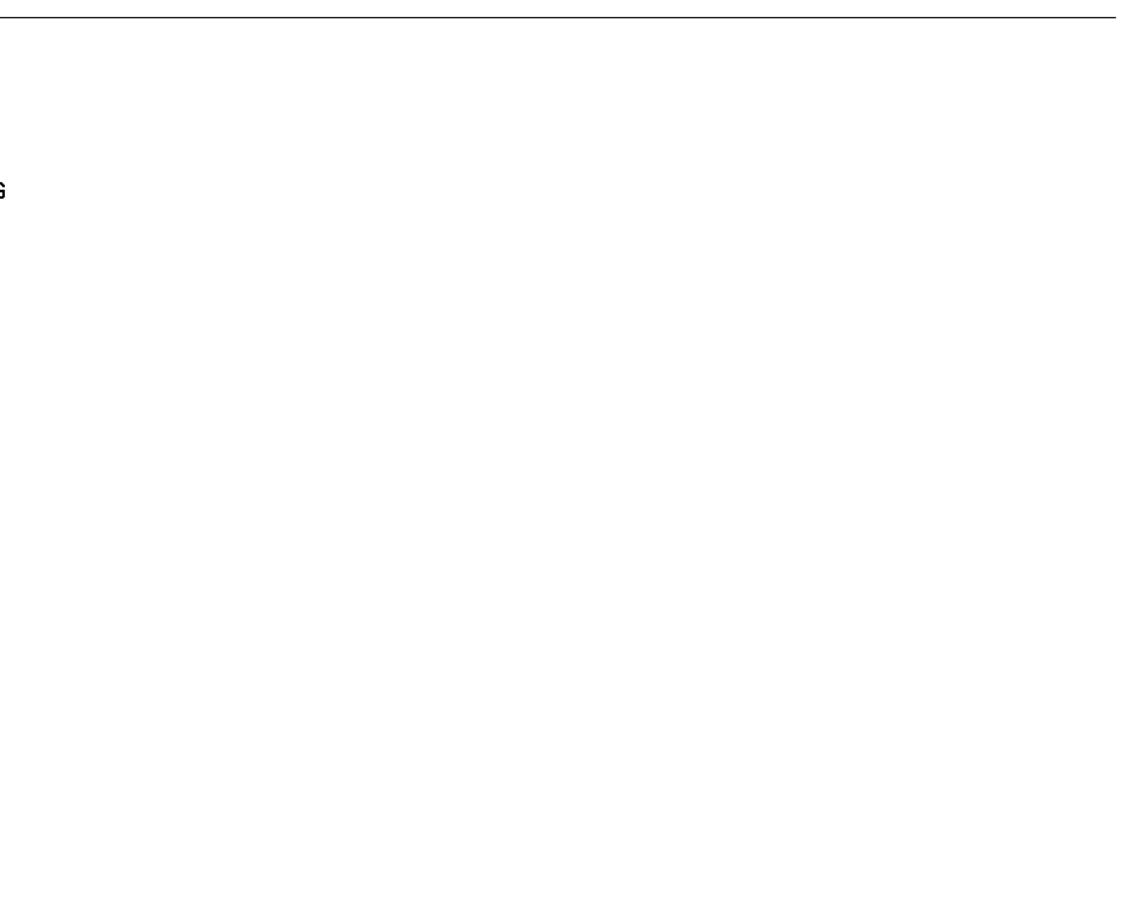
22 TYP. ACCESSIBLE FIXTURE MOUNTING HTS
1/4" = 1'-0"



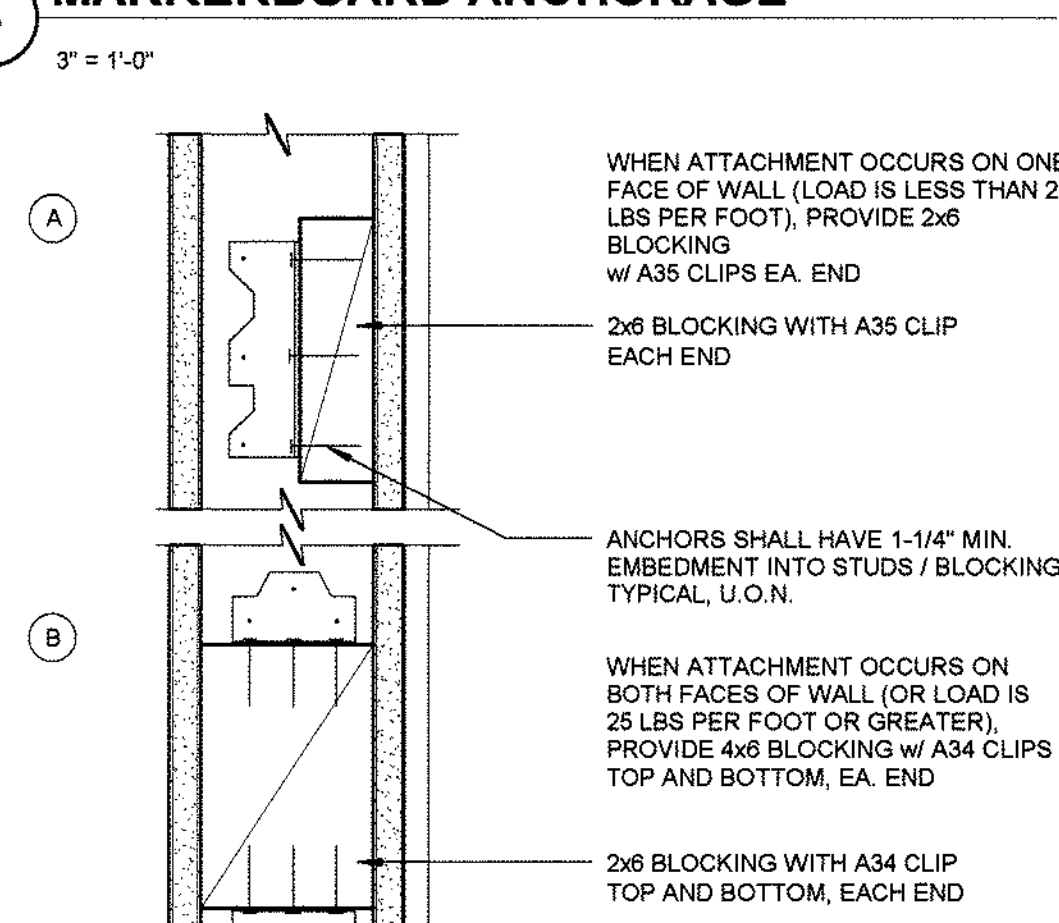
22 TYP. ACCESSIBLE FIXTURE MOUNTING HTS
1/4" = 1'-0"



14 TYP. TOILET PARTITION DETAIL
3" = 1'-0"



6 DRINKING FOUNTAIN ALCOVE
1:1



1 MIRROR ATTACHMENT
3" = 1'-0"



30 PLUMBING CAVITY WALL
1 1/2" = 1'-0"



25 PROJECTION SCREEN-WALL MOUNT
3" = 1'-0"



20 FIRE EXTINGUISHER MOUNT'G
1 1/2" = 1'-0"



15 FIRE EXTINGUISHER CABINET
3" = 1'-0"



6 DRINKING FOUNTAIN ALCOVE
1:1



5 WOOD BLOCKING
3" = 1'-0"

TESTING LABORATORY: DATE: STATE OF CALIFORNIA DEPT. OF GENERAL SERVICES DIVISION OF THE STATE ARCHITECT

NAME: SOLANO COMMUNITY COLLEGE-BLD 1800A RENOVATION

DISTRICT/OWNER: SOLANO COMMUNITY COLLEGE DISTRICT

DIVISION FILE NO. APPLICATION NO.

ARCHITECT: TLCD ARCHITECTURE

STRUCTURAL ENGINEER: STRUCTURAL DESIGN GROUP - LARRY DUNN

TESTS AND INSPECTIONS

SSS 103-1 (R. 8/94)

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

COMPACTED FILL	CONCRETE	GROUT	MORTAR
Fill material, acceptance tests			
Competition control, continuous			
Competition tests only as ordered			
Bearing capacity of compacted fill			
REINFORCING STEEL - #5 OR LARGER			
Sample and test for steel			
Sample and test mesh			
Inspect placing of job			
STRUCTURAL STEEL			
Sample and test as detailed below			
Shop fabrication inspection			
Field erection inspection			
Inspection of welds - Field			
Inspection of rivets or bolting - Shop			
Inspection of rivets or bolting - Field			
Sample and test high strength bolts and washers			
BRICK AND BLOCK			
Sample and test			
Test only			
Inspection of placing			
Core drill samples			
GLUED LAMINATED STRUCTURAL LUMBER			
Fabrication inspection			
Sample and test steel accessories			
Inspect fabrication of steel accessories			

List of structural steel members to be tested:

ALL UNIDENTIFIED STEEL PER 2102(A) CBC (2)

Other Tests and Inspections, together with special instructions:

Copies of Reports to:

OWNER: DISTRICT ARCHITECT

STRUCTURAL ENGINEER: LARRY DUNN

By: SSG AUTHORIZED REPRESENTATIVE

FOR REFERENCE ONLY

REFER TO APPROVED T4 LIST

- C FOUNDATION NOTES**
- All soils work shall be done in accordance with the specifications, and the requirements of Chapter 18 of the 2001 CBC.
 - Use 5/8" diameter x 12" (18" at curb) anchor bolts (AB) at 48"oc where not otherwise noted. See shear wall schedule for additional requirements. Anchor bolts are to be tied in place prior to placement of concrete. All anchor bolts require 3/8" x 2" square plate washer at foundation sill plate. Install first anchor bolt 4 1/2" minimum and 4" maximum from ends of wall.
 - Typical Slab: 5" concrete reinforced with #3 @ 16"oc each way at mid-depth over 15 mil. Vapor barrier and 4" minimum free draining compacted crushed rock on undisturbed subgrade.
 - Provide control joint per (2/81) (B) (5" O"oc max. UNO). If slab is to be constructed with multiple pours, provide construction joints between alternate strips per (1/81). Allow 24 hours min. between pour of alternate strips and closing strip. Install construction joints at face of studs of wall where possible. Submit joint layout plan for review prior to placement.
 - Do not undercut existing foundations. Notify Engineer for review and possible revisions, if existing foundation conditions are not as shown.
 - Refer to (18) (18) for reinforcing at concrete intersections.
 - Refer to (18) (18) for pipes thru/ below (N) concrete slab-on-grade.
 - Refer to (18) (18) for typical reinforcing laps & hooks.
 - Refer to (18) (18) for mandatory formwork.
 - Refer to (18) (18) for pipes through (E) foundation.
 - Refer to (18) (18) for (N) pipes below (E) concrete slab-on-grade.

- D WOOD FRAMING NOTES**
- Headers, beams, posts, and etc., are per (18) (18) and (2) (2) where not noted on plan and details.
 - All beams and joists shall be seat cut for full uniform bearing at supports, beam seats and column caps.
 - Not used.
 - Not used.
 - Typical Roof Sheathing: 1" Ply (32/6) Exposure 1 with 10d @ 3"oc edges (EN) UNO on plans and (2"oc field). All unsupported plywood edges to be blocked with 2x4 laid flat UNO on the plan. No panels less than 2'4" wide shall be used.
 - All nails to be of common wire with full round heads. When nails to be used for rough framing are specified, cement coated anchor nails may be substituted for lead common nails UNO. Nail length to be sufficient to meet CBC penetration requirements. Nail must not be overdriven. All nailing not noted or detailed otherwise per CBC Table 23-II-B-1 or B/3/1).
 - Splice double top plates per (18) (18) UNO on plans and details.
 - New stud walls are 2x6 @ 16"oc UNO on plan.
 - For roof drainage, top of framing between noted points is a straight line.
 - All mechanical supply and return openings to be between framing UNO.
 - Not used.
 - Indicates mood post
 - Not used.
 - Not used.
 - Not used.
 - All bolted or nailed strap connections shall have an equal number of bolts or nails each side of the splice joint. The first bolt or nail from each side of the spliced or strapped member shall be equidistant from the splice. Straps using led nails on 2x material to be installed on the 1/2" edge of the member.
 - The Contractor shall verify that the moisture content of all framing lumber and plywood meet the requirements of the specifications at the time of installation and is close-in. The Contractor shall provide allowance for differential shrinkage between floors, etc.
 - Refer to (18) (18) for holes & notches in solid sawn studs, joist & top plates.
 - Refer to (18) (18) for (N) opening between (E) framing members.

- B GENERAL NOTES**
- Refer to sheet "S1" and "S2" for standard details of construction. Refer to the project specifications for materials and methods.
 - Refer to Architectural drawing for sidewalk slope and dimensions.
 - Elevations on plans and details "6" are to heights above finished ground floor elevation.
 - Contractor to verify the heights as installed of mechanical units and their actual location of installation prior to installation and shall report results to the Architect/Engineer.
 - Shoring and bracing design, materials and installation shall be provided by the General Contractor and shall be adequate for all loads. Leave in place as long as may be required for safety and until final structural construction is completed.
- INSPECTIONS AND OBSERVATIONS:**
- Owner will employ and pay for the services of an independent testing laboratory to perform specified inspections and testing.
 - Project Inspector (IOR) shall be approved by the architect/engineer and DSA.
 - Employment of testing laboratory shall not relieve contractor of obligation to perform work in accordance with the requirements of the contract documents.
 - Contractor shall cooperate with the testing laboratory to facilitate the execution of the laboratory's services.
 - Testing laboratory shall perform special inspection of the following items:
(Refer to the Testing and Inspection list)
A. Soil grading and excavation (by Geotechnical Engineer).
B. All Structural Welding field & shop
C. Steel laminated beams
D. Concrete and reinforcing steel.
E. "Titan HD" Screws per (18) (18)
F. Anchors in HSB per (18) (18)
G. Adhesive Anchors per (18) (18)

- Testing laboratory shall submit copies of testing reports to architect/engineer, to the owner, to DSA and to the IOR.
- The engineer of record will make periodic structural observations during construction. The engineer will submit written verification that the structural system is in general conformance with the intent of the structural design and the approved contract documents. Structural observations of the following items are required:
A. Foundation excavation and reinforcing steel placement.
B. Structural framing.
C. At the completion of the structural system, structural observations do not include or waive the responsibility for the special inspections required.
- The geotechnical engineer of record shall observe all foundation excavations and pad construction to verify compliance with the intent of the Geotechnical Report. Written verification shall be submitted to the owner, contractor, DSA, and architect/engineer.
- Retighten bolts before close-in.

OTHER

- All materials and workmanship shall conform to the project documents, applicable requirements of the 2001 edition of the California Building Code (CBC), and all local ordinances, codes and other requirements.
- The documents indicate general and typical details of construction. Similar details apply to similar conditions subject to review by the architect/engineer. Notes and details on the drawings take precedence over the general notes and typical details in the event of a conflict.
- The contractor shall be responsible for coordinating the work of all trades, shall check all dimensions and elevations, and shall coordinate the documents with conditions at the site prior to the start of any work; any discrepancies shall be reported to the architect/engineer and shall be resolved before proceeding with the work.
- The contract drawings represent the finished structure and do not include methods, procedures or sequences of construction. The contractor shall take necessary precautions to maintain and ensure the integrity of the structure during construction. Neither the owner nor the architect/engineer will enforce safety measures or regulations. Contractor shall design, construct and maintain all safety devices, including shoring, gus and bracing. Contractor shall be solely responsible for conforming to all local, state and federal safety and health standards, laws, regulations and ordinances.
- Shop drawings shall be submitted for review prior to fabrication. Prior to submittal, the shop drawings shall have been stamped indicating that the contractor has verified all quantities, dimensions, field construction criteria, materials, and similar data.
- The contractor shall restore and repair adjacent grounds or structures that are changed, modified, removed or damaged during the construction shown in these drawings.
- Refer to the project specifications for additional information not noted.
- Requests for substitution shall be accompanied by manufacturer's approved product evaluations reports (ICBO reports) and a list of all proposed substitutions to the architect/engineer and DSA for review and written approval prior to fabrication or use.
- Pipes, ducts, sleeves, chases, etc. shall not be placed in slabs, beams or walls unless specifically shown or noted. No structural member will be cut for pipes, ducts, etc. unless specifically shown. Obtain prior written approval for installation of any additional pipes, ducts, and group of pipes etc.
- The use of new construction for the support/storage of construction equipment or materials is restricted to the design capacity of the new construction at the time it is to be used for such support. Place material or equipment so as not to exceed the capacity of individual elements. Contractor to provide adequate, engineered shoring where design capacity is not sufficient.
- Changes to drawings are not allowed without prior written approval by DSA.
- In preparing the project plans, the source of information was based on the existing building plans prepared by Delip K. Johnson, P.E. & Storm, Architects, A/E/C, 18455, approved 3-21-1972. Actual field conditions may differ. Contractor to verify field conditions prior to bid & construction, compare with project plans and report any discrepancies to the architect for review.
- If required, shoring of existing structure is to be designed and provided by the contractor.

- A DESIGN CRITERIA**
- (For structural design reference purposes only, NOT for material specifications, see project specifications.)
- CODES**
California Building Code (2001 edition), Title 24, Part 2.
- LOADS**
Basic roof live load = 20 PSF
Basic floor live load = 50 PSF at office/classrooms and 100 psf at exits
Wind pressure map load = 80 mph, Exposure C, I = 1.0.
Seismic Zone 4, Importance factor = 1.0
Soil profile Type = Sd; Seismic Source Type = B; Distance to Seismic Source = <2km.
Building R = 4.5; V_s = 0.25A (ASD)
- MATERIALS:**
- For complete information, see specifications. Specifications shall take precedence over these notes in the event of conflict.
 - REINFORCING STEEL:**
A. Deformed Bars: ASTM A615, GRADE 60
B. Welded Bars: (If required) ASTM 706
 - CONCRETE:**
A. Foundation/mt. slab on grade: STRENGTH (e 28-DAY) (METHOD B) 3000psi
B. Non-structural conc: 2000psi
 - STRUCTURAL STEEL:**
A. Plates & Shapes: ASTM A36
B. Tubes: ASTM A500, Grade B
C. Pipes: ASTM A53, TYPE5, Grade B
D. Bolts: ASTM A307
E. Anchor Bolts: ASTM A307
F. Welding Electrodes: AWS/A515 A5.20 or A5.24-FCAM, 70ksi tensile strength
All exposed structural steel and connection shall be hot dipped zinc coated galvanized. Use corrosion resistant nuts & plate washers against PT material.
 - WOOD:**
A. 2x rafters, joists, 4x and 6x beams: DF #1
4x and 6x posts, 2x plates, 2x studs.
B. 2x4 studs: Construction
C. Beams and post 6x6 and larger: DF select. Struct.
D. Plywood: PS 1-ES
E. Powder driven pins: (low velocity) shot pins may be used for shear loads and they may be used in tension to support loads less than 100 pounds for minor loads like acoustical ceilings, dust work, conduit, etc. Any shot anchors must have ICBO approval for the type of concrete used on the job. Shot pins are disallowed in concrete curbs. The allowable loads shall be 100 pounds or 80% of ICBO approved values, whichever is less. Qualification for use of all powder activated tools must meet ANSI A103 standard as required by the manufacturer and all OSHA requirements.

CARPENTRY:

- Use of upset threaded AB's are not permitted. Use headed anchor bolts. No J bolts allowed.
- Use hot dipped galvanized nails for nailing into pressure treated lumber.
- All nails are of common wire with full round heads.
- Framing connectors shall be manufactured by "Simpson Company", San Leandro or approved equal. Connectors shown on plans are per Simpson Catalog no. C-2007.

MACHINE NAILING:

Use of machine nailing is subject to satisfactory job site demonstration for each project and the approval by the project architect or structural engineer and the division of the state architect. The approval is subject to continued satisfactory performance. Machine nailing is not allowed for 5/8" (7/4mm) plywood. If the nail heads penetrate the outer ply more than would be normal for a hand-held hammer, or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory and machine nailing shall be discontinued. For both side plywood shear wall, use hand nailing for the 2nd plywood.

DIMENSIONS:

- These drawings were prepared with the intention that all elevations and horizontal dimensions that are not shown directly on the drawings are inferable from the drawings. It is intended that the contractor use the entire set of drawings to establish vertical and horizontal control for the project. The drawings for each discipline are to be considered as complementary to each other, not self-sufficient.
- The structural drawings alone do not include all dimensions necessary to locate structural members, slab edges, slab openings, embedded items, curbs, depressions, etc.
- Do not scale drawings.
- Using the complete set of drawings, the contractor shall prepare a layout plan establishing elevations, horizontal dimensions, and other relationships not specifically shown on the structural drawings.

STRUCTURAL SPECIFICATIONS:
Refer to Structural Specification sections:

- 0310 Concrete Formwork
- 0320 Concrete Reinforcement
- 0330 Cast-in-Place Concrete
- 0610 Rough Carpentry

STRUCTURAL ABBREVIATIONS			
AB	ANCHOR BOLT	FLI	FERRULE LOOP INSERT
ABV	ABOVE	FLR	FLOOR
AC	AIR CONDITIONS	FN	FACE
ADJ	ADJACENT	FLF	FOOTING PER LINEAR FOOT
ALT	ALTERNATE	FOH	FACE OF HATCHERY
AT	AT	FP	FACE OF STUD
AHC	ANCHOR	FRNG	FRAMING
ACHL	ADHESIVE	FTB	FOOTING
BTR	BETTER	FS	FACE SIDE
BLDS	BUILDING	GA	GAGE OR GAUGE
BLK/BLKS	BLOCK/BLOCKING	GALV	GALVANIZED
BLN	BELOW	GLB	GLUE LAMINATED BEAM
BH	BEAM	GR	GRADE
BTH	BOTTOM	SL	SLUE LAMINATED
BRG	BEARING	HD	HOLD DOWN
BTHN	BETWEEN	HNGR	HANGER
BN	BOUNDARY NAIL	HORIZ	HORIZONTAL
BO	BOTTOM OF	H5	HIGH STRENGTH
BU	BUILT-UP	H5B	HIGH STRENGTH BOLT
CONST	CONSTRUCTION	H5FB	HIGH STRENGTH
C	AMERICAN STANDARD	H5B	FRICITION BOLT
CB	CARRIAGE BOLT	H5H	HIGH STRENGTH GROUT
CL	CENTERLINE	H5H	HORIZONTAL SLOTTED
C4L	CERTIFIED GLUED LUMBER	H5B	HOLLOW STEEL SECTION
CJ	CONTROL JOINT	HT	HEIGHT
CL	OR CEILING JOIST	HDR	HEADER
CLS	CEILING	IS	INSIDE
CLR	CLEAR	ID	INSIDE DIAMETER
COL	COLUMN	IJ	1 SHAPED WOOD BUILT
CONC	CONCRETE	INT	UP TRUSS
CONN	CONNECTION	INT	INTERIOR
CONT	CONTINUOUS	JST	JOIST
CP	COMPLETE PENETRATION	JT	JOINT
CMU	CONCRETE MASONRY UNIT	KLP	KIPS PER LINEAR FOOT
ALT	COUNTERSINK	K	KIPS (K)
CR	CUT WASHER	KSI	KIPS PER SQ. INCH
COMP	COMPOSITE	KSF	KIPS PER SQ. FOOT
DBL	DOUBLE	L	STEEL ANGLE
DF	DOUGLAS FIR	LBS or #	POUNDS
DIA or Ø	DIAMETER	LGHF	LIGHT GAGE METAL
DIAG	DIAGONAL	LGHFC	LIGHT GAGE METAL
DIH	DIMENSION	LL	LIVE LOAD
DJ	DOVEL JOINT	LLH	LONG LEG HORIZONTAL
DL	DEAD LOAD	LLV	LONG LEG VERTICAL
DN	DOWN	L5L	LAMINATED STRAND LUMBER
DO	DOWN	LVL	LAMINATED VENEER LUMBER
DWG	DRAWING	MAX	MAXIMUM
EDX	EDG	MB	MACHINE BOLT
EN	EDGE NAIL	MBH	METAL BUILDING
EA	EACH	MANUFACTURER	MANUFACTURER
EB	EACH END	MC	MISCELLANEOUS
EF	EACH FACE	CHNL	CHANNEL
ELC	ELECTRICAL	MECH	MECHANICAL
ELEV	ELEVATOR/ELEVATION	MFR	MANUFACTURER
EMBED	EMBEDMENT	MIN	MINIMUM
EN	EDGE NAIL	MISC	MISCELLANEOUS
EQ	EQUAL	MIM	MALLEABLE IRON
EQUIP	EQUIPMENT	M5B	MASHER
ES	EACH SIDE	MANUFACTURED	MANUFACTURED
EX	EACH WAY	NTL	METAL
EXT or (E)	EXISTING	NU	NEN
EXP	EXPANSION	NIC	NOT IN CONTRACT
EXT	EXTERIOR	NO or #	NUMBER
FACE	FACE OF	NS	NEAR SIDE
FOC	FACE OF CONCRETE	NTS	NOT TO SCALE
FL	FLOOR JOIST	OC	ON CENTER
FF	FULL PENETRATION	OD	OUTSIDE DIAMETER
FLJ	FLOOR JOIST	OPNS	OPENING
FTS	FOOTINGS	OFF	OFFSHOOT
FDN	FOUNDATION	ON	OTHERWISE
FIN	FINISH	OS	OUTSIDE
FS	FINISH GRADE	OH	OPPOSITE HAND



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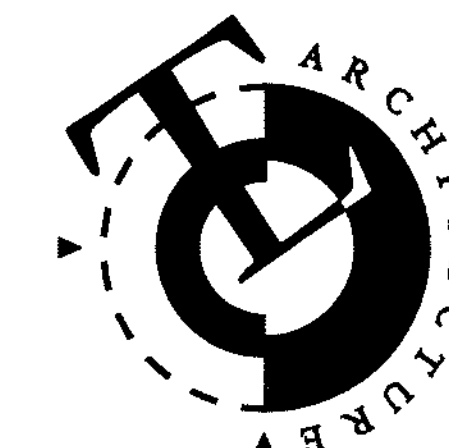
Solano Community
College Building
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Solano Community
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4000 Suisun Valley Road
Fairfield, California

PROJECT NUMBER: 05123
DATE: July 15, 2007
DRAWN BY: MAT, LHD
CHECKED BY: LHD
REVISIONS:

STRUCTURAL NOTES
& SPECIFICATIONS

S1.0



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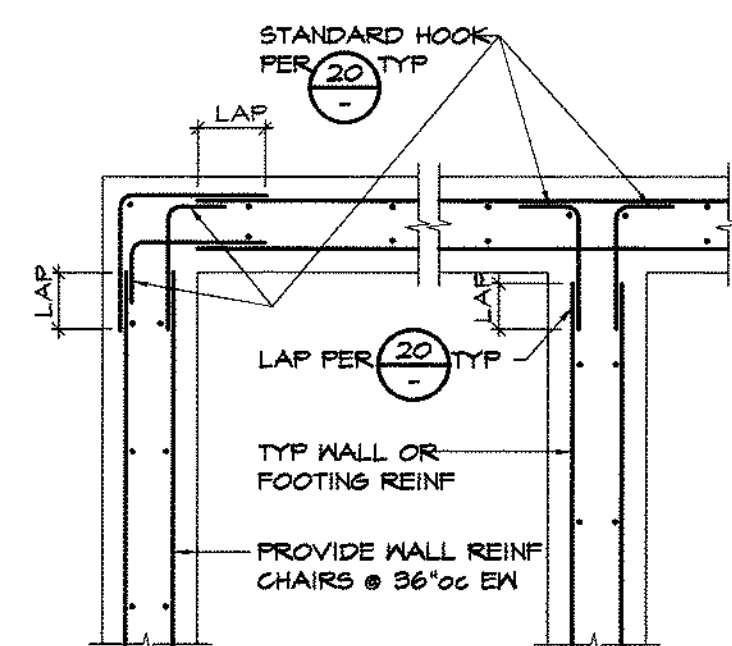
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PLAN FOOT

19 CONC REINF

SIZE/SD	LAP LENGTH	SIZE/SD	LAP LENGTH	SIZE/SD	LAP LENGTH
#3/40	21"	#6/60	42"	#4/60	94"
#4/40	28"	#7/60	60"	#10/60	112"
#5/60	36"	#8/60	76"	#11/60	132"

(CLASS B TOP BARS)
MINIMUM BAR SPACING GREATER OF 4x BAR DIAMETER & 4" MIN.
1.5 x LAP EQUALS 150% LAP LENGTH REQUIRED
USE 1.5 x LAP AT LIGHT WEIGHT CONCRETE (A-B50 AGGREGATES)

CONCRETE COVER FOR REINFORCING STEEL CLR

CAST AGAINST EARTH OR GRADE 3"

EXPOSED TO EARTH (FORMED) OR WEATHER #5 & SMALLER 1 1/2"

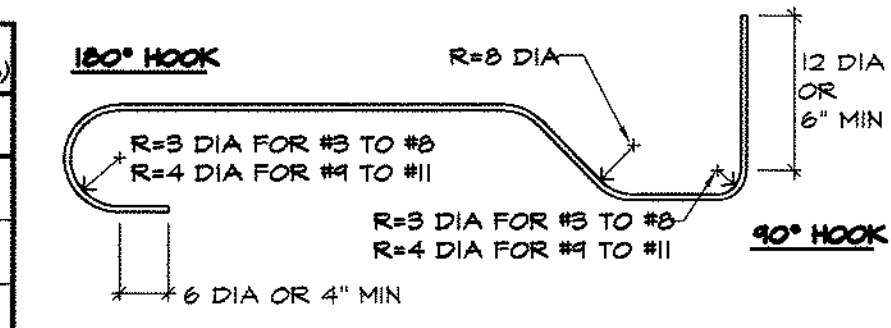
#6 & LARGER 2"

NOT EXPOSED TO EARTH OR WEATHER #5 & SMALLER 1"

#6 & LARGER 1 1/2"

SLABS - FROM TOP OF CONC 2"

ALL REINFORCING BARS SHALL EXTEND AS FAR AS POSSIBLE AND END IN A STANDARD 90° or 180° HOOK UNLESS DETAILED OTHERWISE



STANDARD HOOKS & BENDS

COLUMN BAR OFFSET

FOR BMS & SLABS UNO

BENT BARS

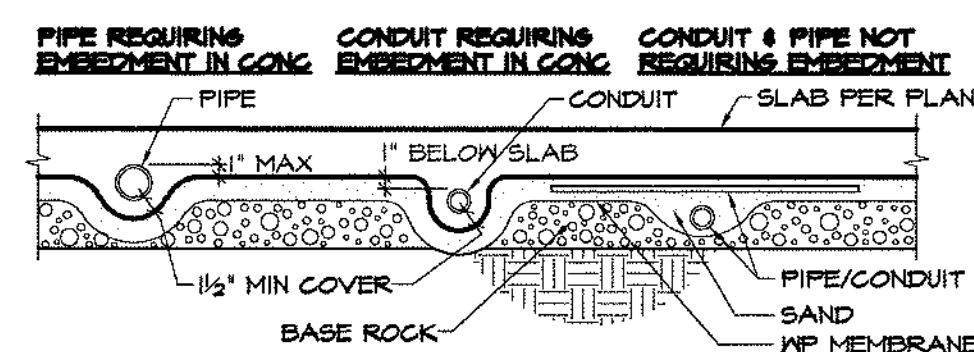
2 MIN FOR STEEP FTGS

45° MAX

BEND AROUND PIN (2 DIA MIN UP TO #4 BARS)

WIRE TOGETHER AT EACH END

SPLICE

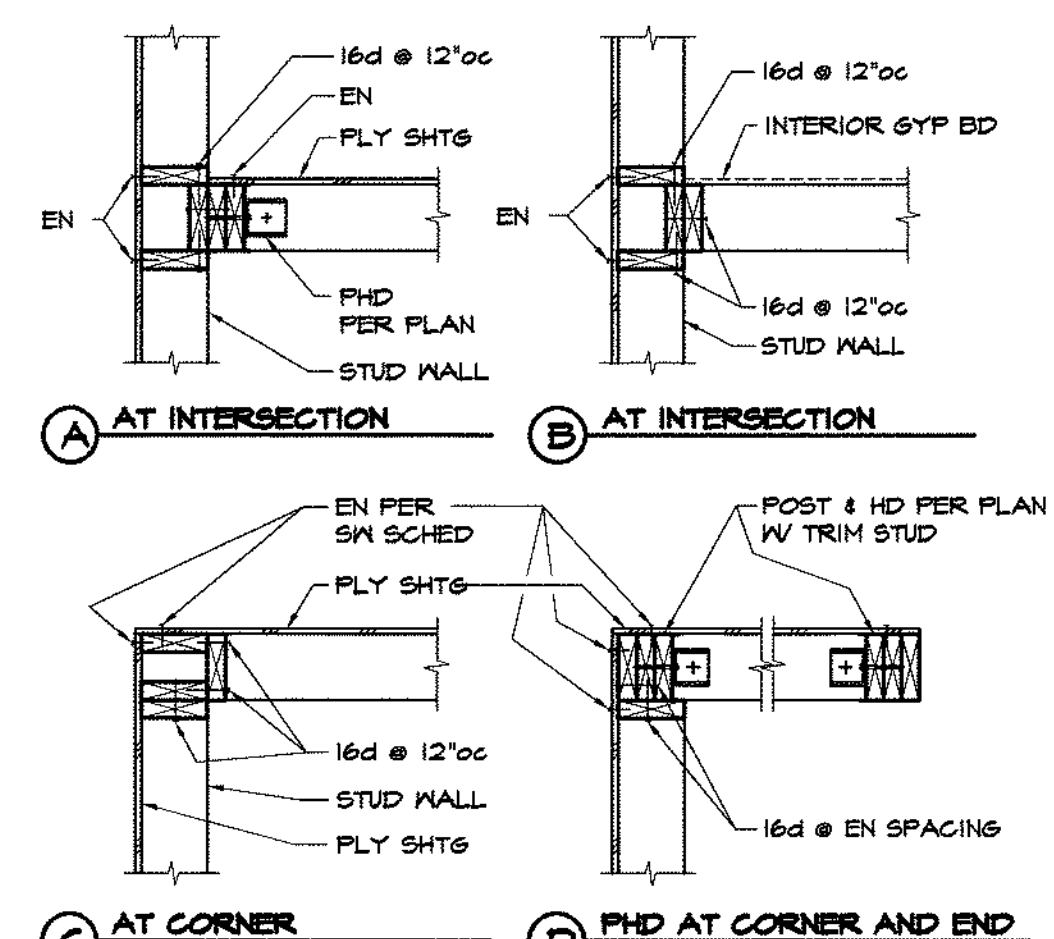


15 CONDUIT AND PIPE AT SLAB

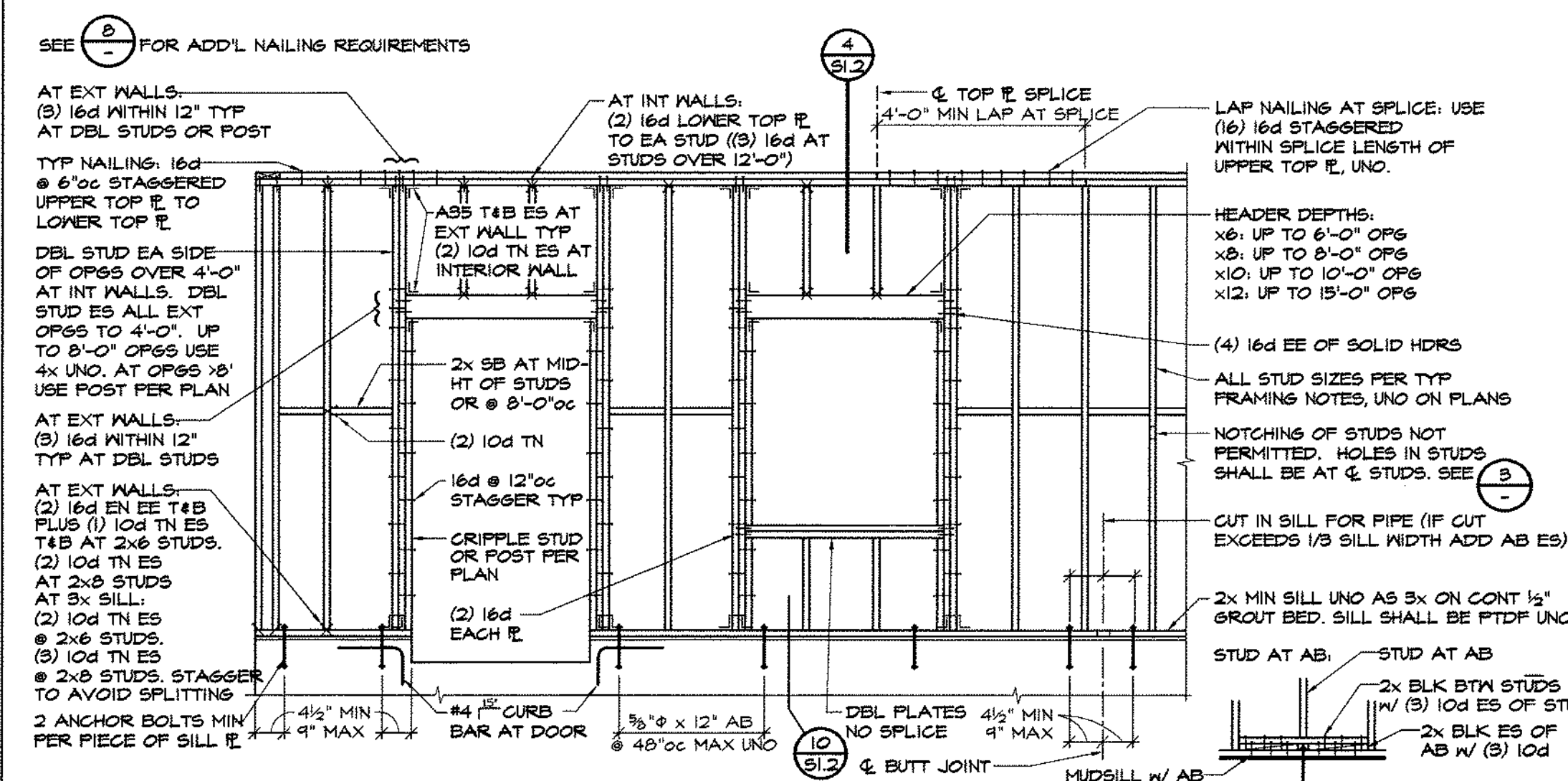
BOLT SIZE	FLATE WASHER	MALLEABLE WASHER	STD CUT WASHER
3/8"	1 1/2" x 1 1/2" x 3/8"	2 1/2" x 1 1/2"	1" x 3/32"
1/2"	2" x 2" x 1/2"	2 1/2" x 1 1/2"	1 3/8" x 7/64"
3/4"	2 1/4" x 2 1/4" x 1/2"	2 3/4" x 1 1/2"	1 3/8" x 1/16"
1"	2 1/2" x 2 1/2" x 1/2"	3" x 1 1/2"	2" x 3/32"
1 1/8"	3" x 3" x 1/2"	3 1/2" x 1 1/2"	2 1/2" x 1/16"
1 1/4"	3 1/2" x 3 1/2" x 1/2"	4" x 1 1/2"	2 1/2" x 1/16"
1 1/2"	3 1/2" x 3 1/2" x 1/2"	4 1/2" x 1 1/2"	2 3/4" x 1/16"

1) ALL THREE WASHERS ARE ACCEPTABLE, FOR USE UNDER BOLT HEADS AND NUTS, UNO

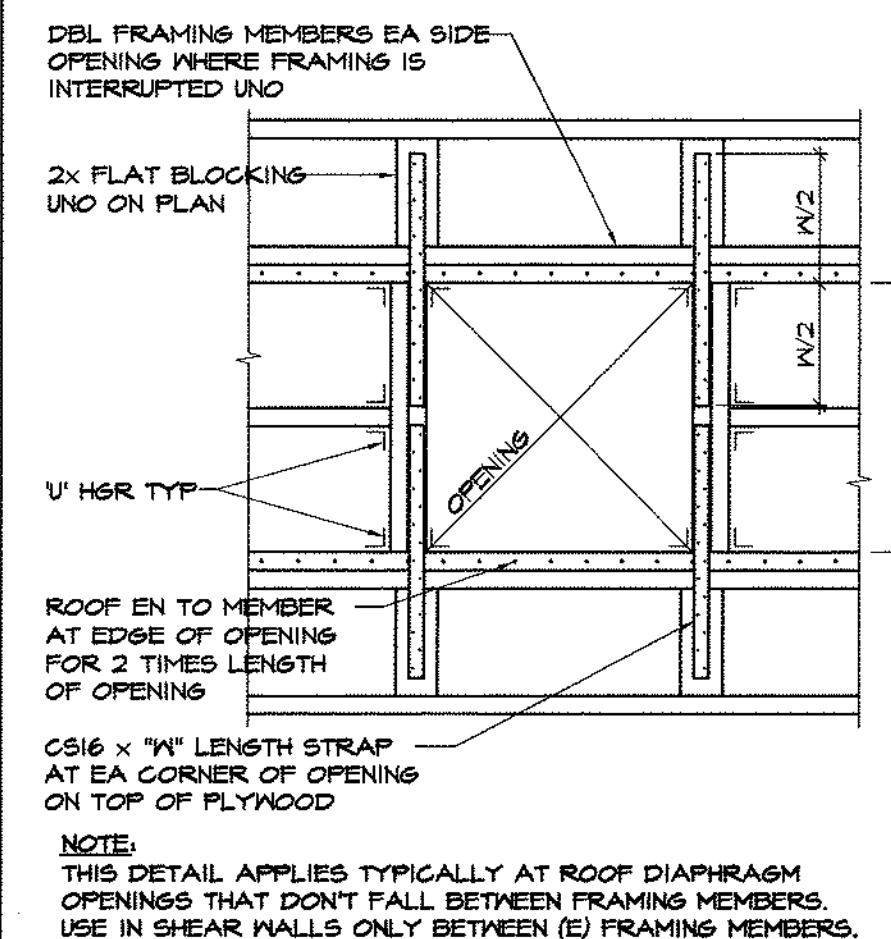
2) FOR BILL PLATE ANCHOR WASHER SEE OTHER DETAILS



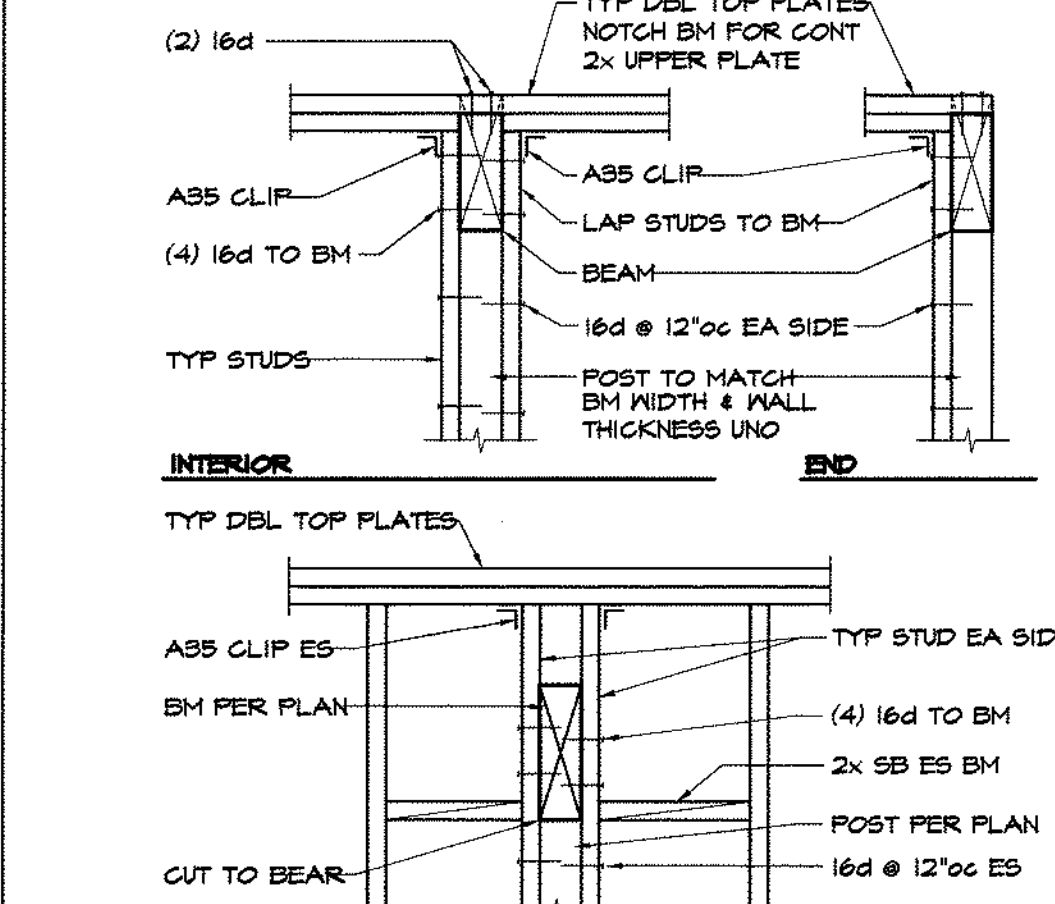
10 TYPICAL STUD WALL INTERSECTION



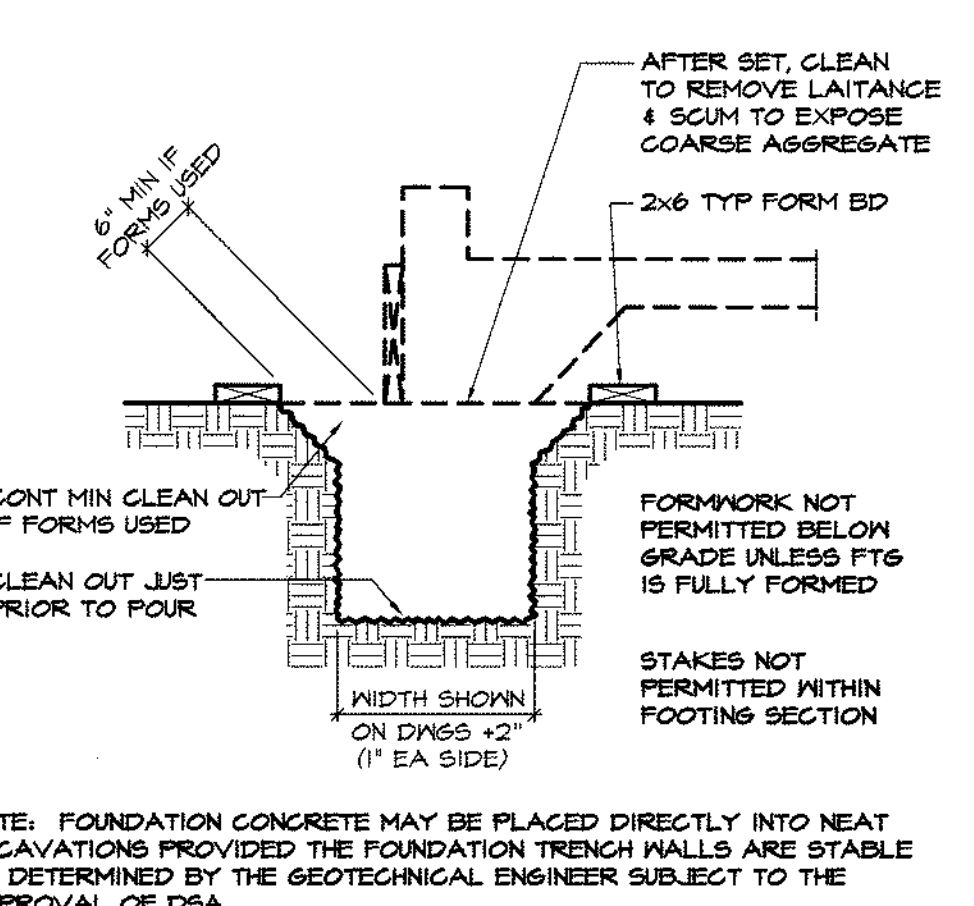
1 TYPICAL STUDWALL FRAMING ELEVATION



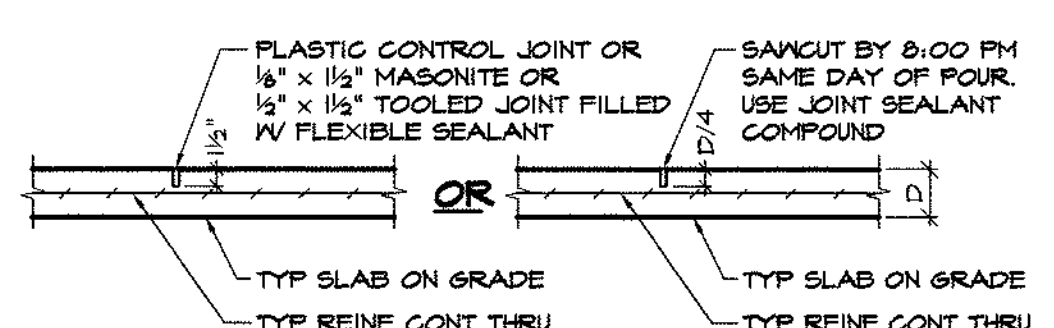
6 HOLE IN DIAPHRAGM



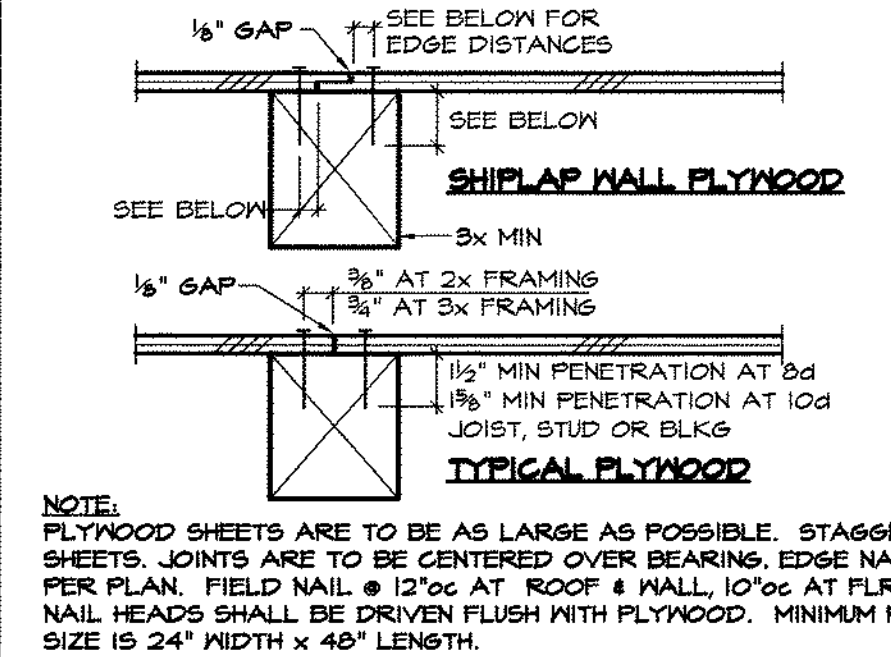
2 TYPICAL BEAM IN/THRU WALL



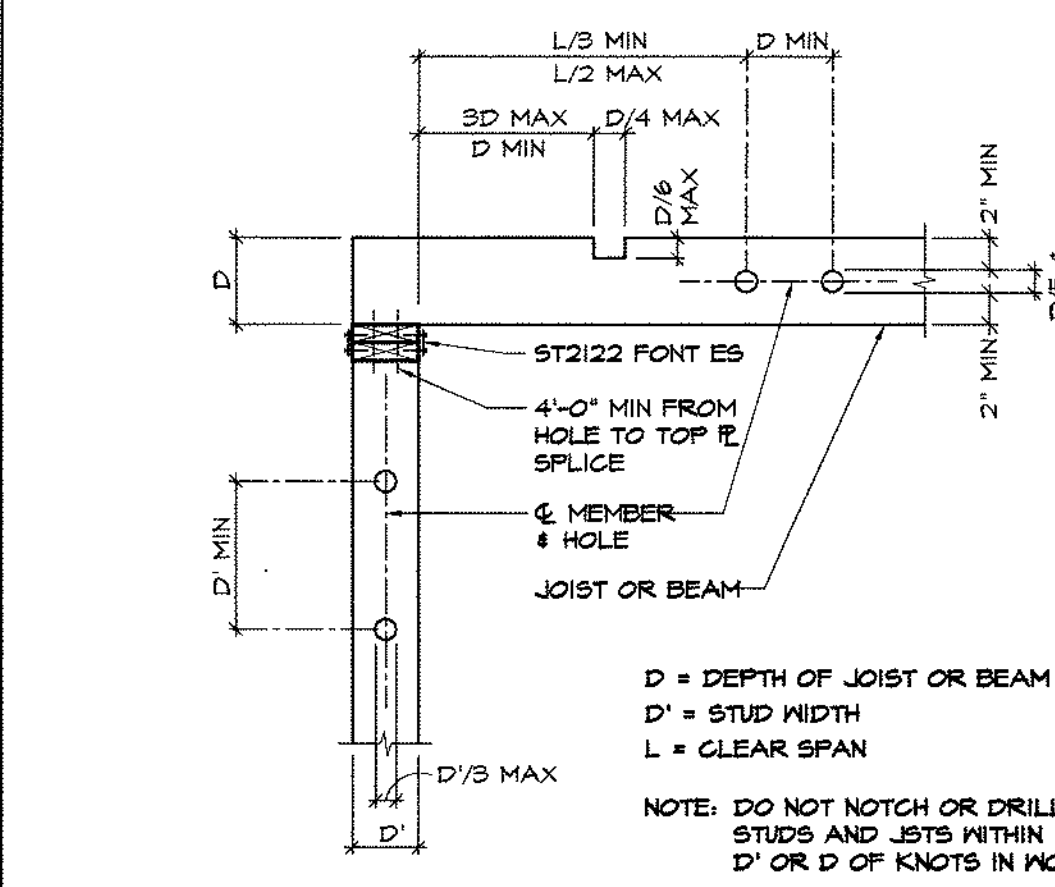
17 TYPICAL MANDATORY FORMWORK



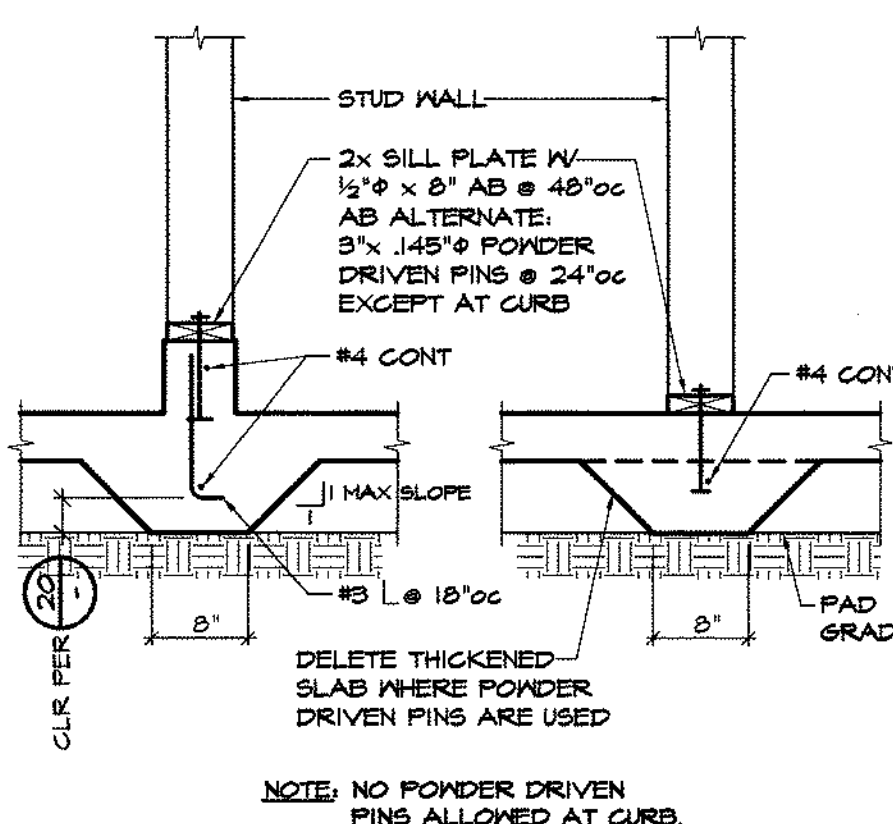
12 CONTROL JOINT (SLAB ON GRADE)



7 PLYWOOD NAILING DETAIL



3 HOLES & NOTCHES IN WOOD STUDS, JOIST, BEAMS & PLATES



13 (N) NON-BRG STUD WALL FOOTING

R/H JOIST TO TOP IE, TOE NAIL	10d @ 6\"
TRUSSES, JOISTS OR RAFTERS AT ALL BEARING POINTS	(3) 8d
TOE NAILS EACH SIDE	(3) 8d
TRUSSES, JOISTS OR RAFTERS TO EACH SIDE OF STUDS	(3) 16d
EIGHT (8) INCH JOISTS OR LESS	(1) 16d
FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST	(1) 16d
BLOCKING BETWEEN JOISTS OR RAFTERS	(3) 8d
TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END	(3) 8d
TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE	(3) 8d
BLOCKING BETWEEN STUDS, EACH END TOE NAILS	(3) 8d
OR (2) 16d	
BRIDGINGS TO JOIST, TOE NAIL EACH END	(2) 8d
2\" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	(2) 16d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d @ 24\"
SOLE PLATE TO JOIST OR BLOCKING AT	(3) 16d @ 16\"
TOP PLATE TO STUD, END NAIL	(2) 16d
STUD TO SOLE PLATE, TOE NAIL	(4) 8d
DOUBLE STUDS AT EXTERIOR WALLS, FACE NAIL	16d @ 12\"
DOUBLE STUDS, FACE NAIL	16d @ 24\"
DOUBLE TOP PLATES, FACE NAIL	16d @ 16\"
TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL	(3) 16d
CONTINUOUS HEADS TO STUD, TOE NAIL	(4) 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) 16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
BUILT-UP CORNER STUDS	16d @ 24\"
RIBBONS TO STUDS	
ONE (1) INCH RIBBONS	(2) 8d
TWO (2) INCH RIBBONS	(2) 16d
CEILING STRIPPING (2x MIN)	16d AT 45° SLANT, 16d AT 90° TO SUPPORTS

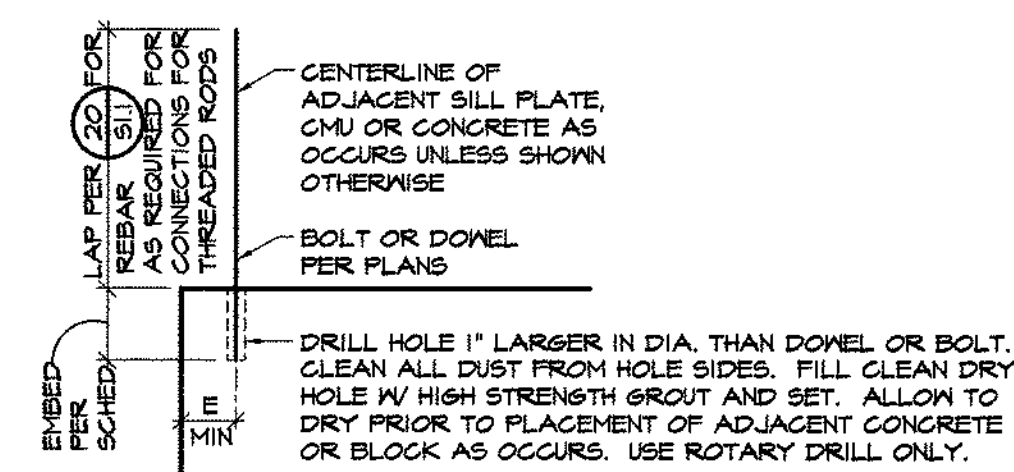
NOTE: ALL NAILS TO BE COMMON WIRE.

8 MINIMUM NAILING SCHEDULE

22 -

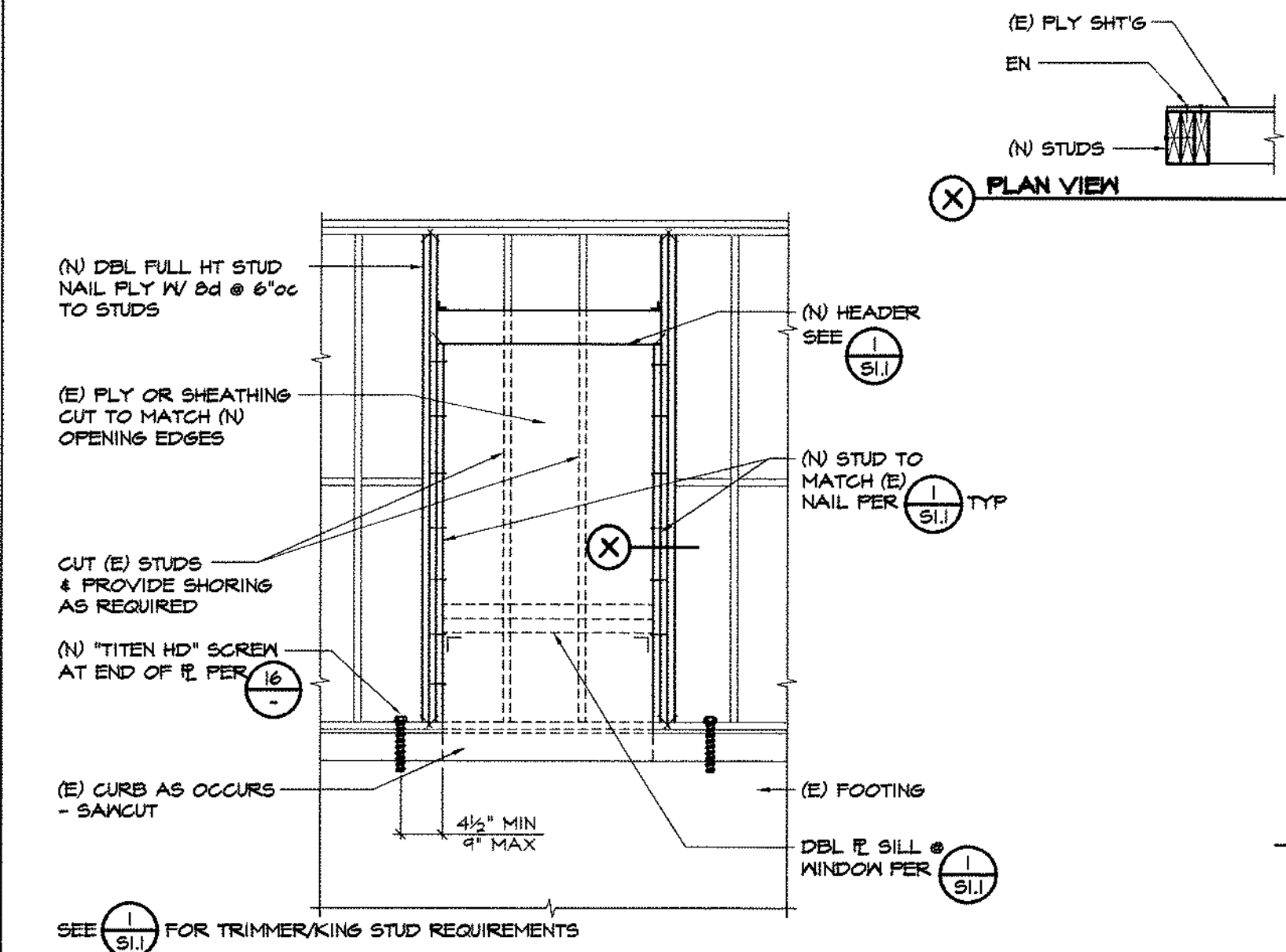
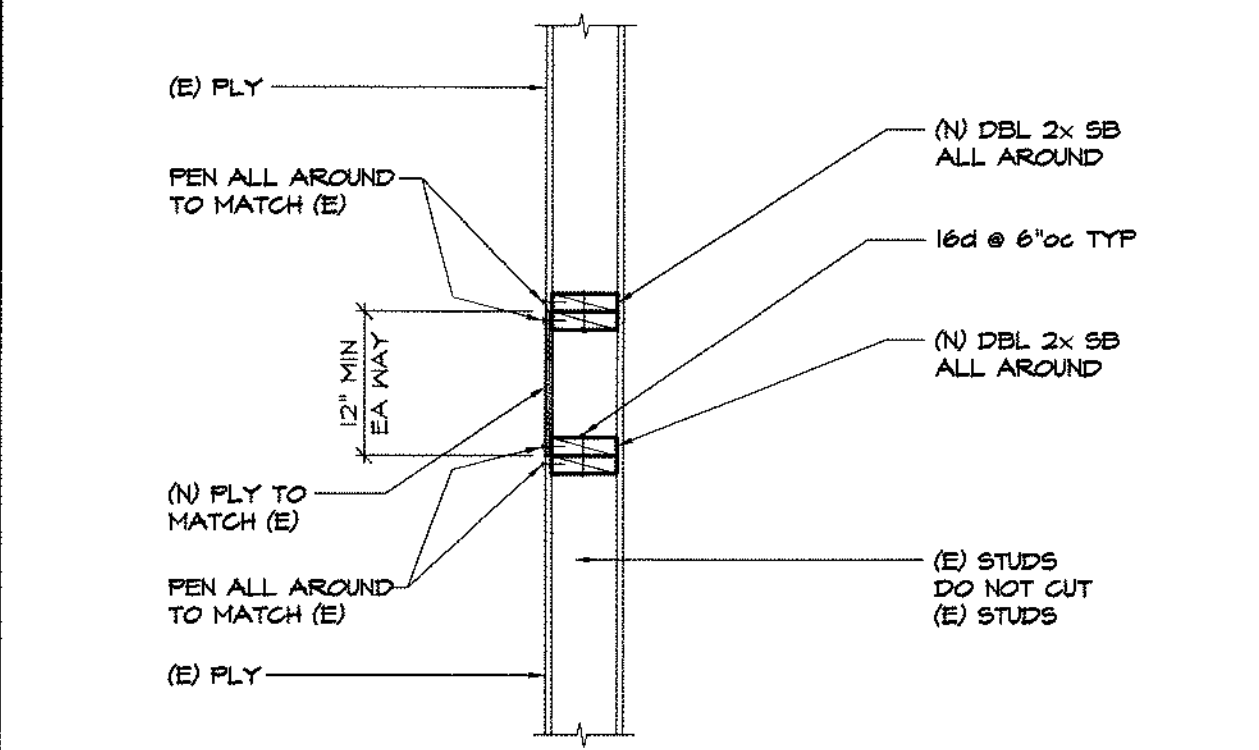
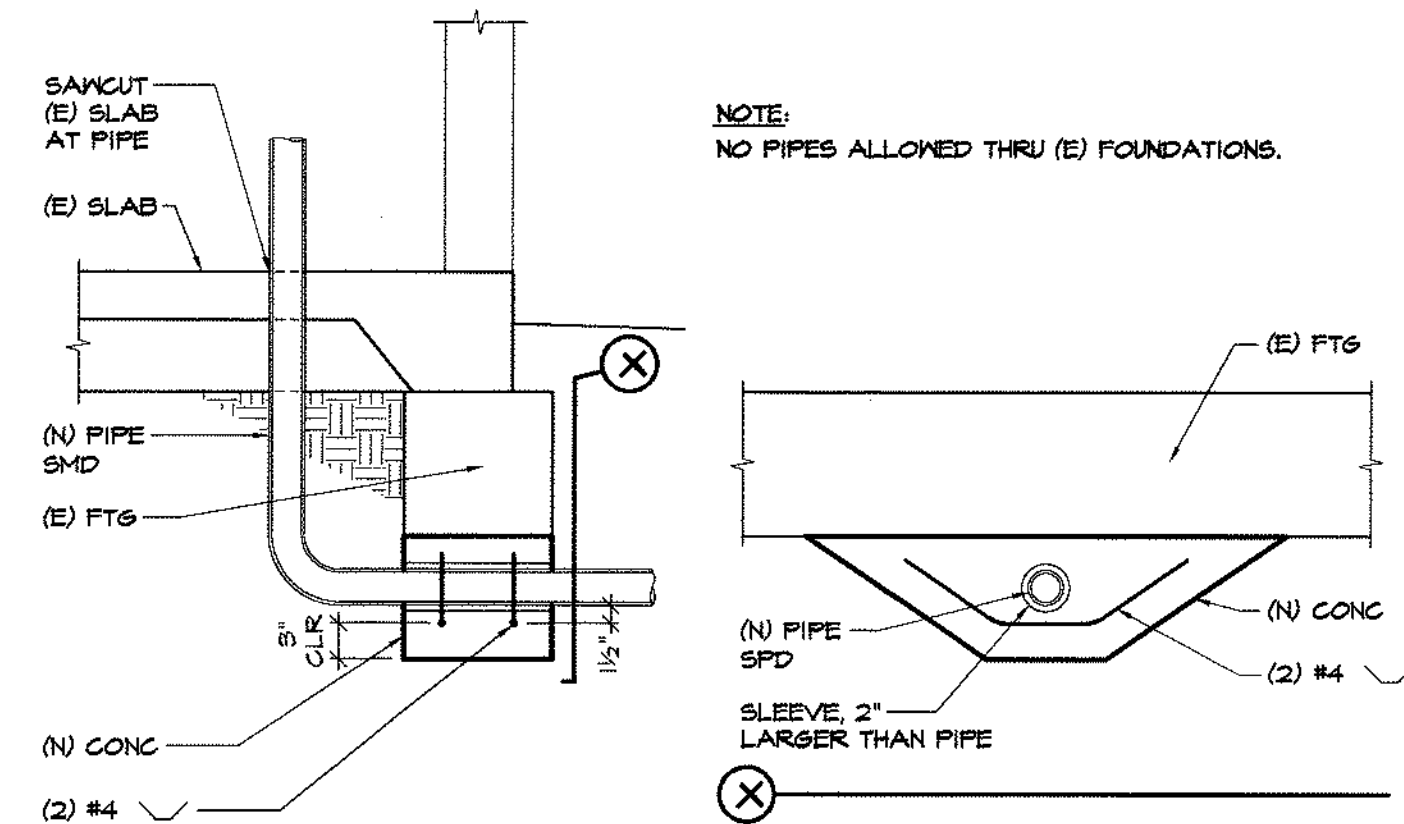
18 -

5 -



MINIMUM EMBEDMENTS AND ALLOWABLE LOADS IN 3000 PSI MIN. CONCRETE AND 5000 PSI H.S. GROUT									
BAR SIZE	THIRD ROD DIA.	EMBED	DI	SHEAR	COMBINATION ANCHOR* EMBED	DI	TENSION	T-TEST	E MIN.
#3	3/8"	3"	100#	8"	226#	452#	24"		
#4	1/2"	4"	1250#	8"	414#	822#	3"		
#5	5/8"	4 1/2"	2150#	10"	657#	1215#	3 1/2"		
#6	3/4"	5"	3560#	12"	905#	1810#	4 1/2"		
#7	7/8"	6"	4050#	16"	1234#	2468#	5 1/2"		
#8	1"	7"	4500#	20"	1629#	3258#	6"		
#9	1 1/8"	8"	4750#	24"	2057#	4114#	6 1/2"		
#10	1 1/4"	9"	5000#	28"	2504#	5008#	7 1/2"		
#11	1 3/8"	10"	5800#	34"	3044#	6088#	8 1/2"		

* COMBINATION ANCHORS RESIST BOTH SHEAR AND TENSION - USE THIS EMBEDMENT ONLY WHERE SPECIFICALLY CALLED FOR BY OTHER DETAILS. COMBINATION ANCHORS SHALL BE TENSION TESTED PER THE SCHEDULE T-TEST LOAD.



14 GROUTED ROD OR REBAR TO (E) CONCRETE

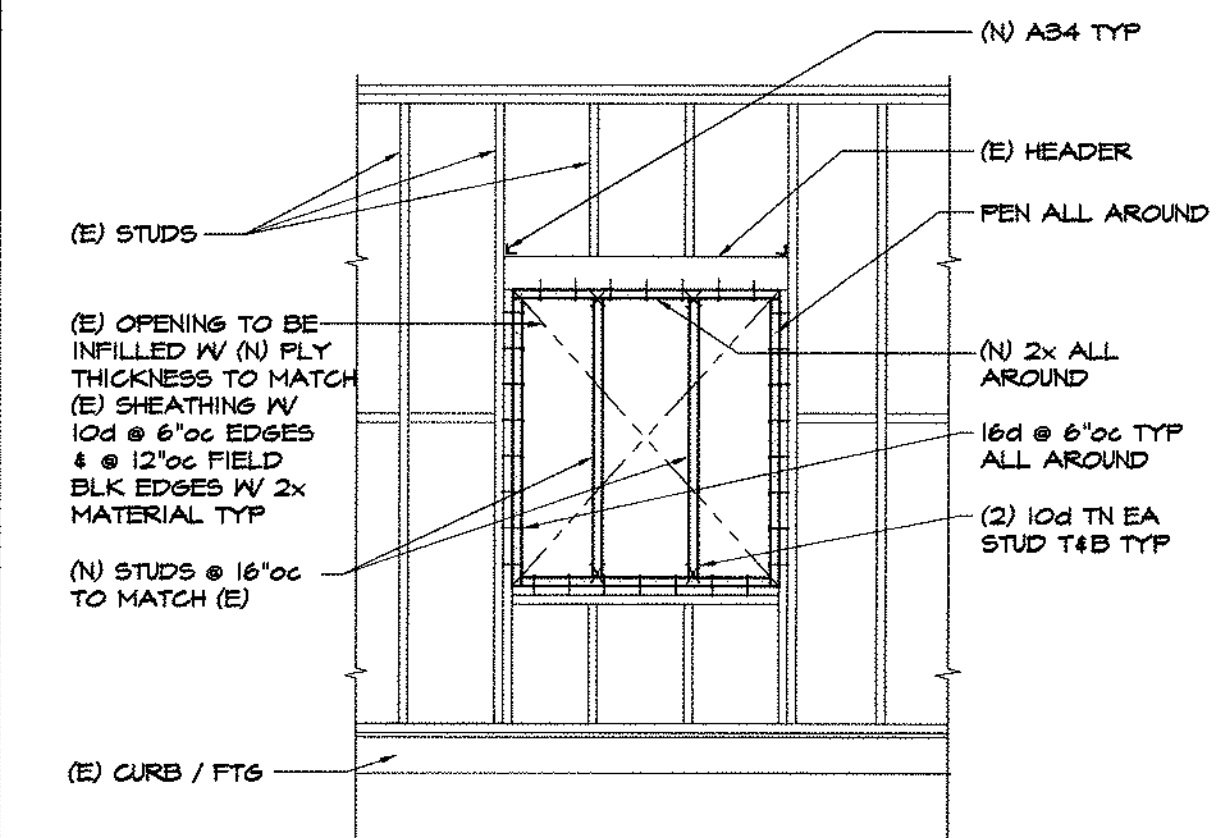
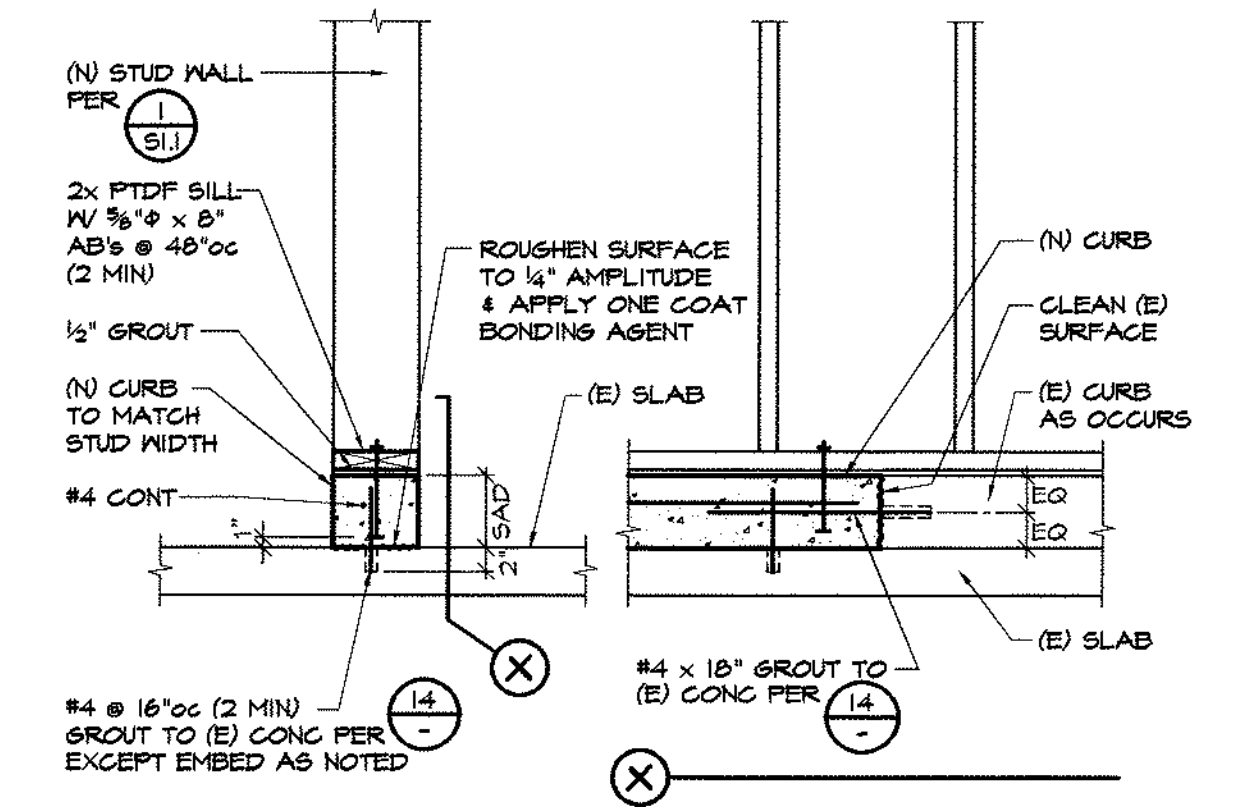
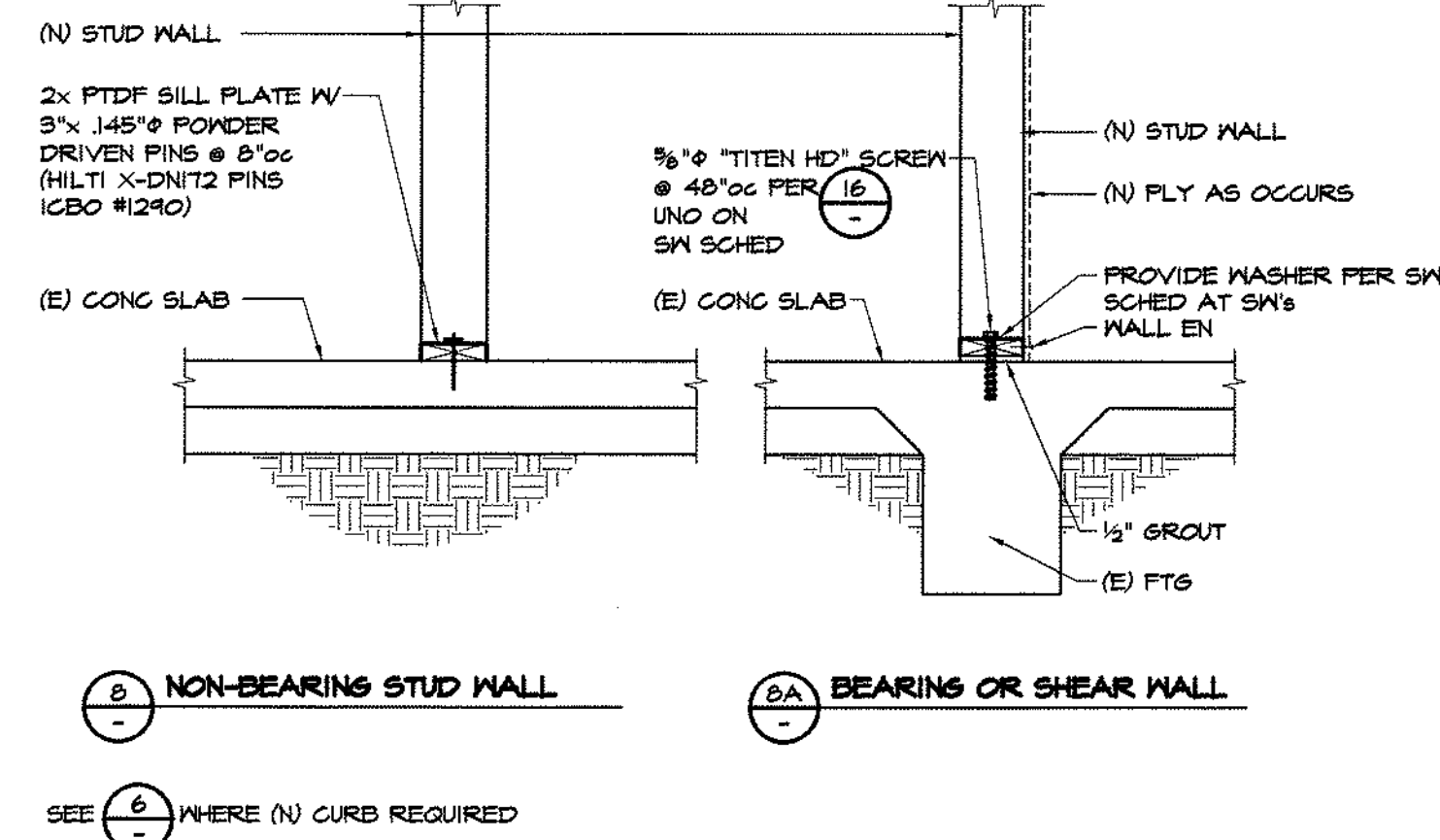
9 (N) PIPE UNDER (E) FTG

5 PLYWOOD PATCH

1 (N) DOOR OR WINDOW IN (E) WALL

TENSION TEST LOADS IN 3000 PSI MIN. CONCRETE									
ANCHOR DIA.	MIN EMBED	TEST LOAD	ALLOW LOADS	SHEAR	TENSION				
3/8"	3"	345#	689#	172#					
1/2"	4"	449#	898#	224#					
5/8"	5"	725#	1450#	362#					
3/4"	6"	1050#	2100#	514#					
7/8"	7"	1480#	2960#	740#					
1"	8"	1760#	3520#	880#					

- NOTES:
- INSTALL ADHESIVE ANCHORS PER MFR'S & ICC INSTRUCTIONS. TESTING LAB TO TEST PER TITLE 24, SECTION 1228A.5.5 AND IR 14-1.
 - WHEN INSTALLING ADHESIVE ANCHORS IN EXISTING REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN REINFORCEMENT AND THE ANCHOR.
 - ACCEPTABLE ADHESIVE FOR ABOVE VALUES ARE: SIMPSON SET, ICCB® ER-5274, AND HILTI HIT HY-150, ICCB® ER-5149.
 - TORQUE TESTING IS NOT APPLICABLE. TENSION TESTING IS REQUIRED.

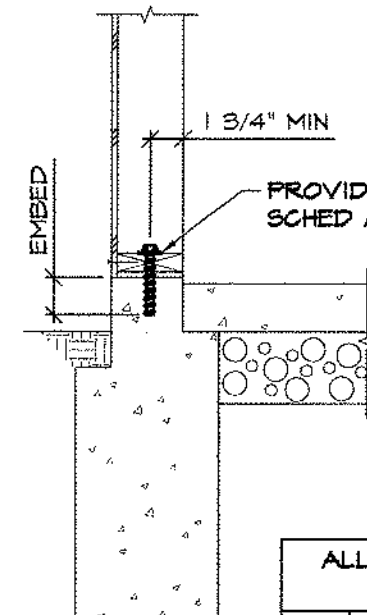


15 EPOXIED ROD TO (E) CONCRETE

10 (N) WALL AT (E) SLAB

6 (N) CURB AT (E) SLAB

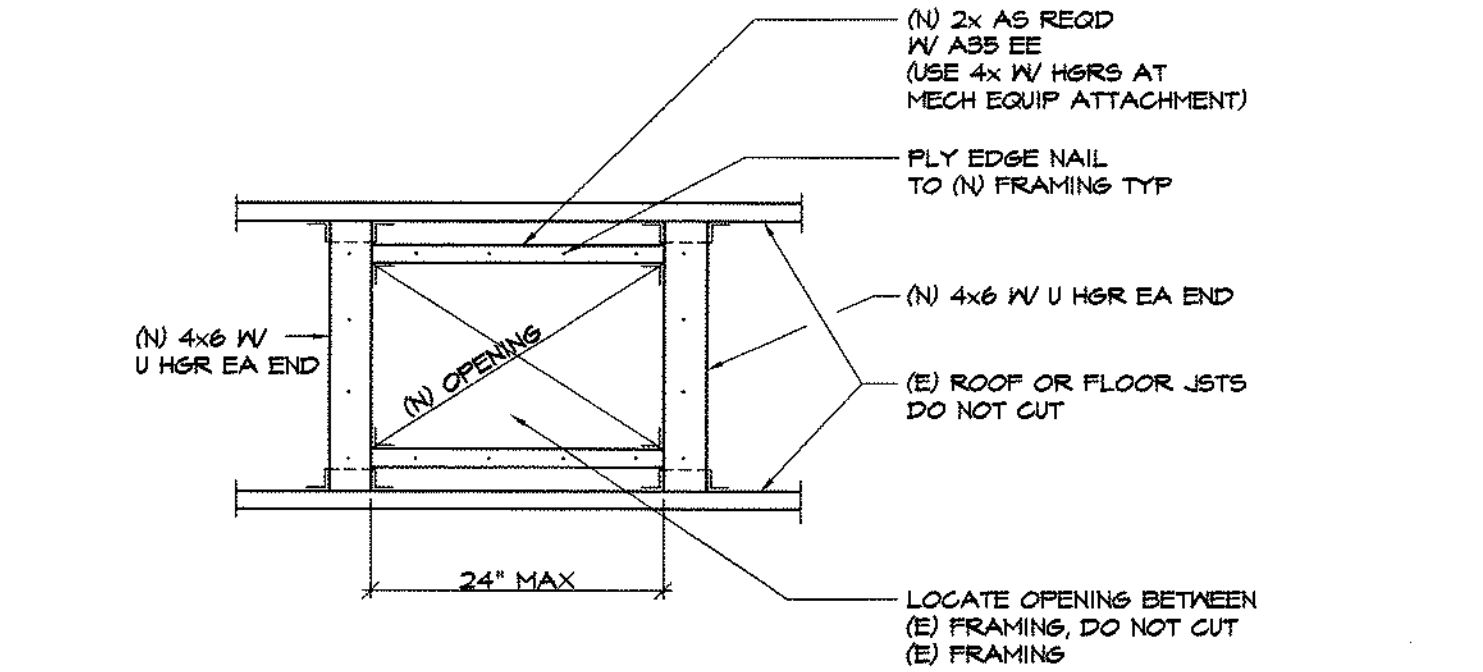
2 WOOD FRAMED WINDOW INFILL



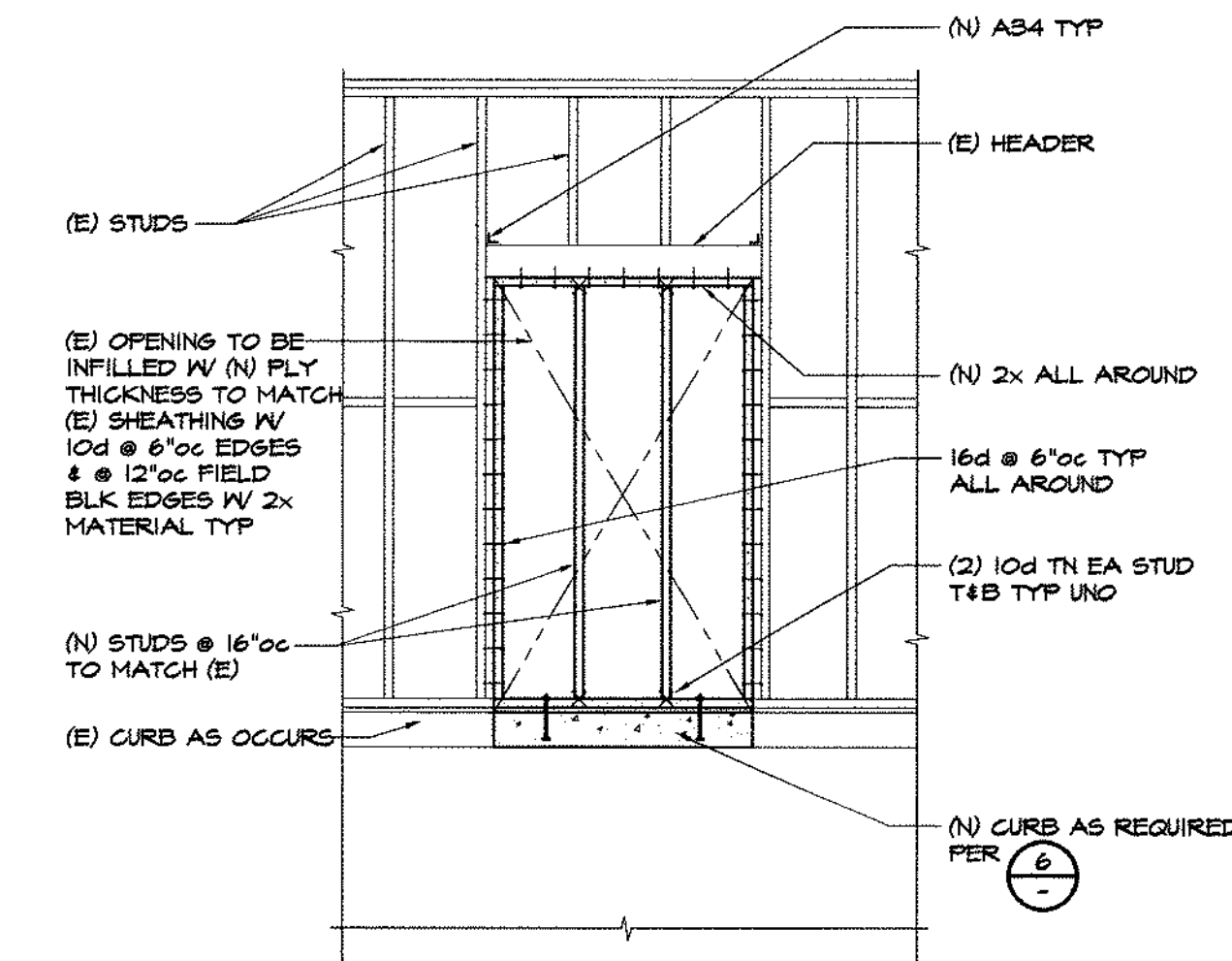
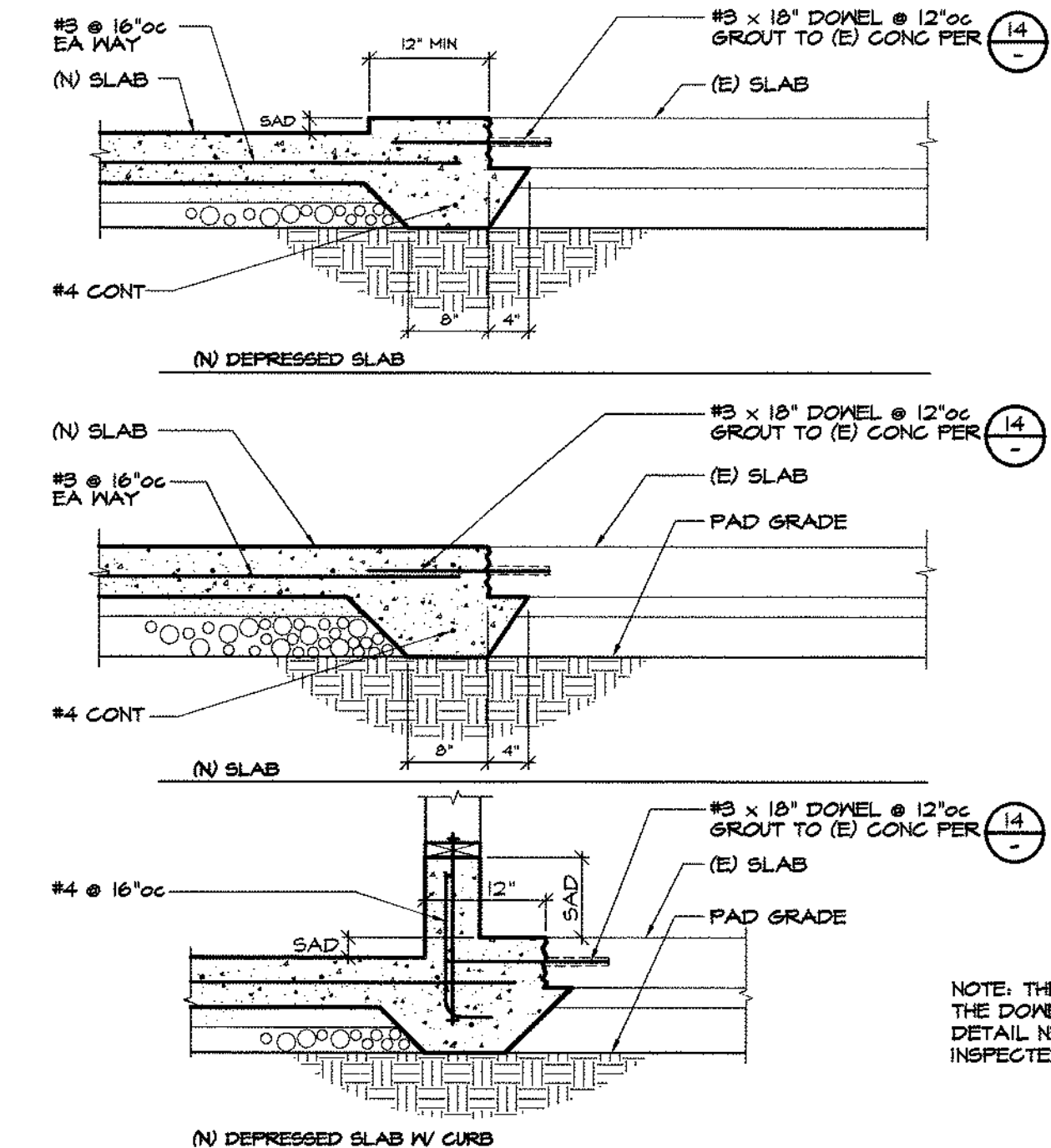
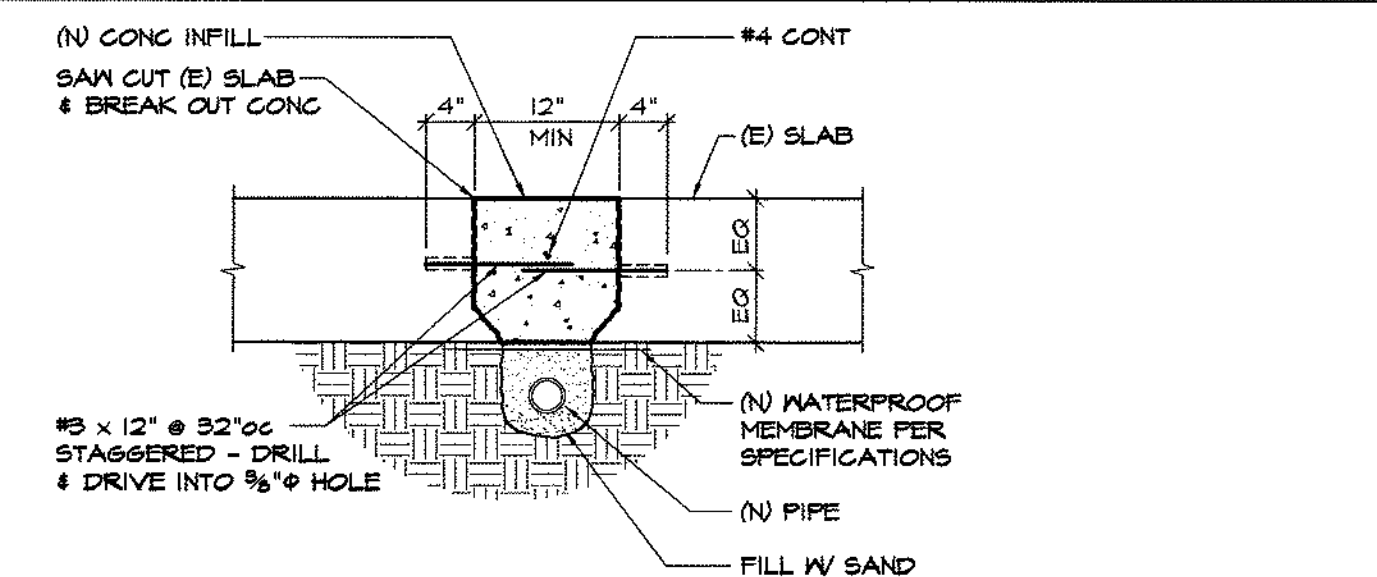
ALLOW SHEAR LOADS (PARALLEL TO CONG) IN 2500 PSI CONG									
DIA	DRILL BIT DIA.	MIN EMBED	ALLOW LOAD* (10#)	TORQUE (ft-lb)					
3/8"	3/8"	3"	412	10					
1/2"	1/2"	3 1/2"	516	10					

* ALLOW LOAD BASED ON WOOD (DP) CAPACITY

- NOTES:
- INSTALL "TITEN HD" SCREW ANCHORS PER MFR'S & ICC INSTRUCTIONS. TESTING LAB TO TEST PER TITLE 24, SECTION 1228A.5.5 AND IR 14-1.
 - WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR.
 - ACCEPTABLE SCREW ANCHORS FOR ABOVE VALUES ARE: "TITEN HD" BY SIMPSON STRONG-TIE, ICC ESR-1056.
 - INSPECTOR SHALL VERIFY INSTALLATION TORQUE OF ALL ANCHORS PER IR 14-1.
 - SCREW ANCHORS ARE NOT TO BE USED AS HOLDOWN BOLTS.



11 (N) OPENING BETWEEN (E) FRAMING

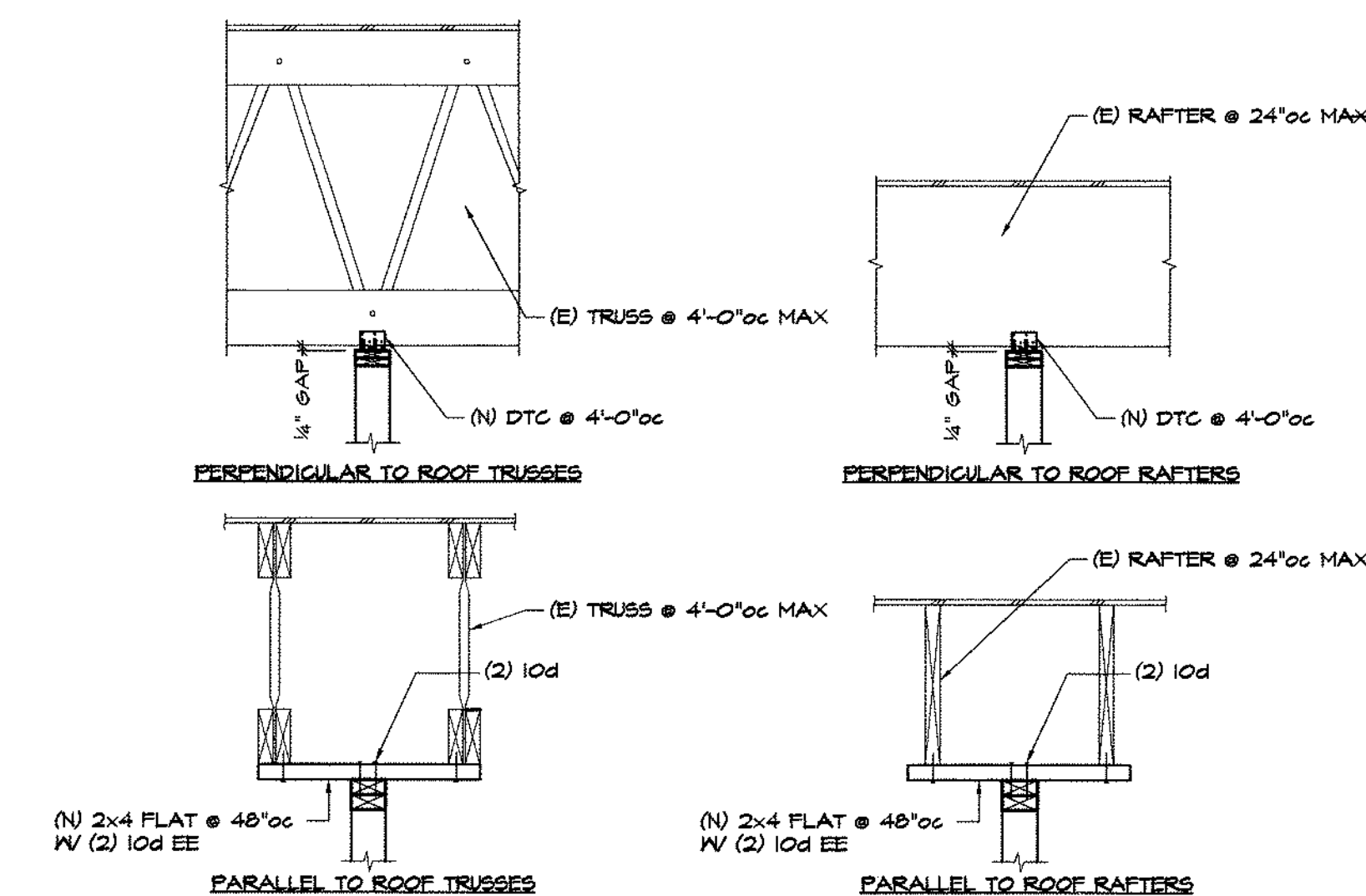
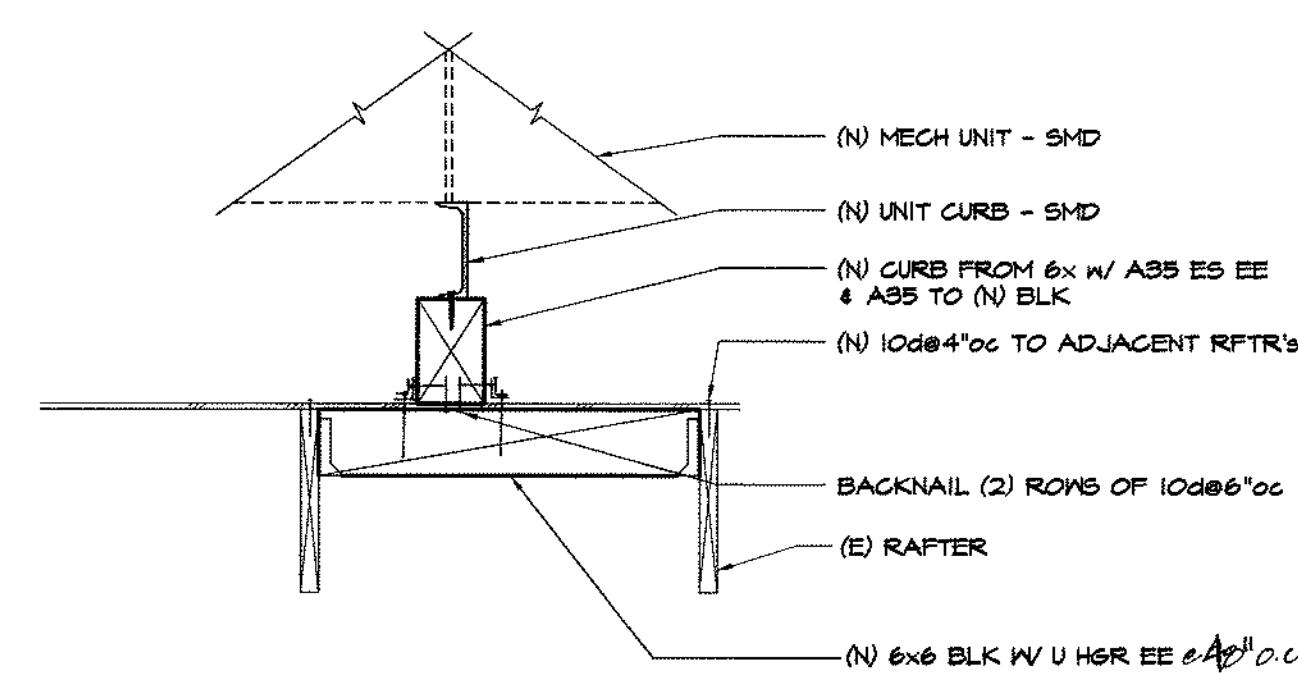
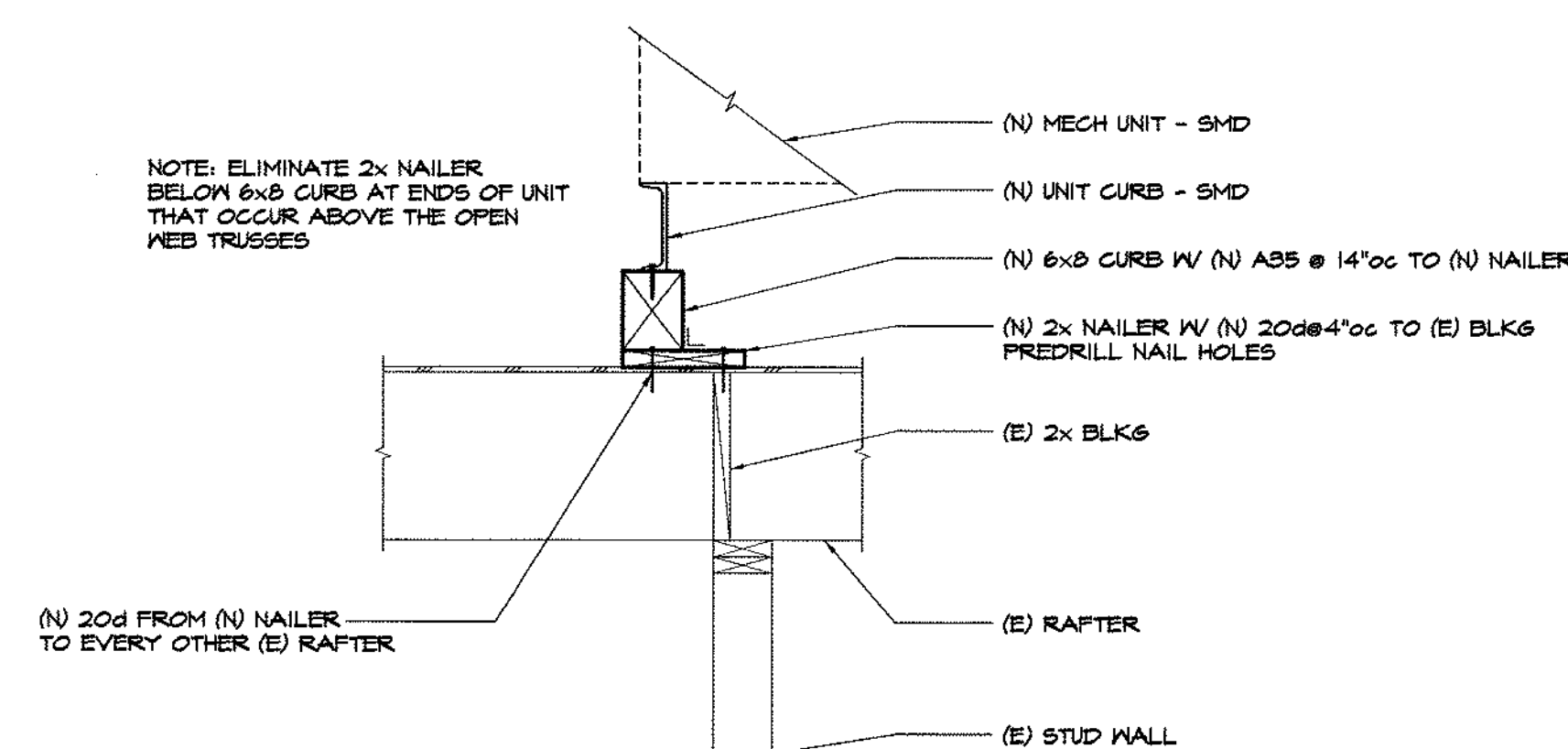


16 "TITEN HD" SCREW

12 (N) PIPE IN (E) SLAB

7 (N) SLAB TO (E) SLAB

3 WOOD FRAMED DOOR INFILL



17 SIDE OF MECH UNIT AT ROOF

13 BTWN COMPARTMENTS OF MECH UNIT AT ROOF

8 -

4 (N) WALL AT (E) ROOF FRAMING



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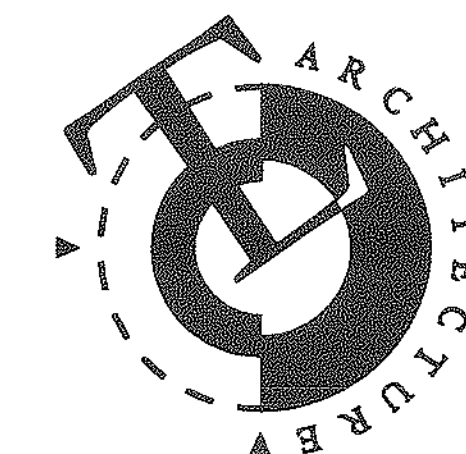
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Solano Community
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DATE:
July 16, 2007
DRAWN BY:
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CHECKED BY:
LHD
REVISIONS:

STRUCTURAL DETAILS

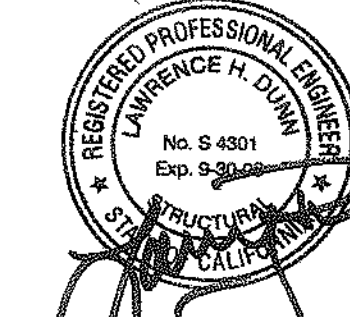
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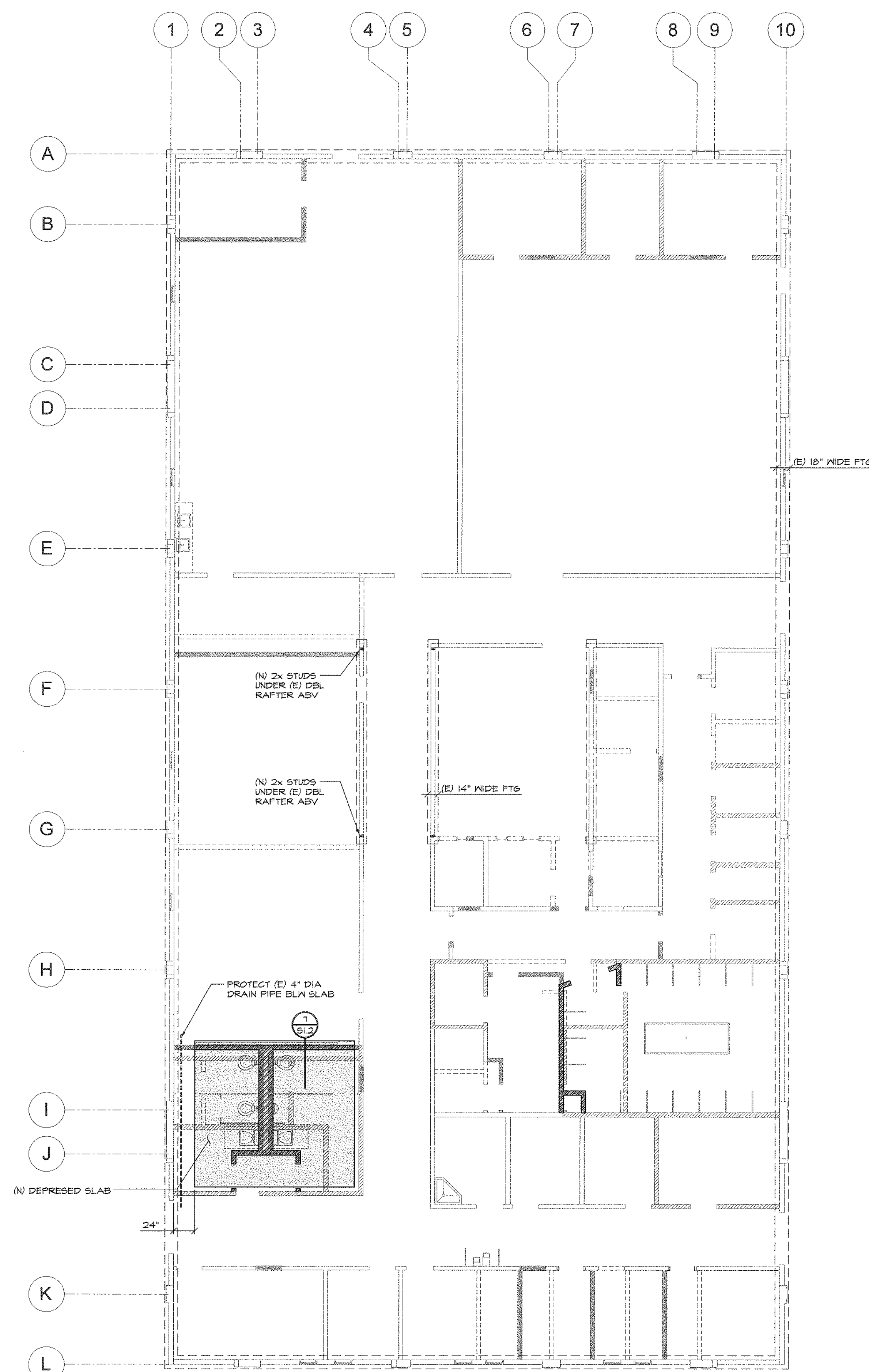
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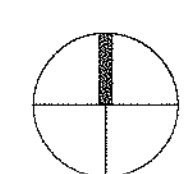
FOUNDATION &
ROOF FRAMING
PLANS

S2.0



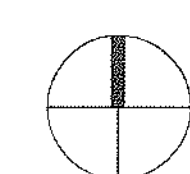
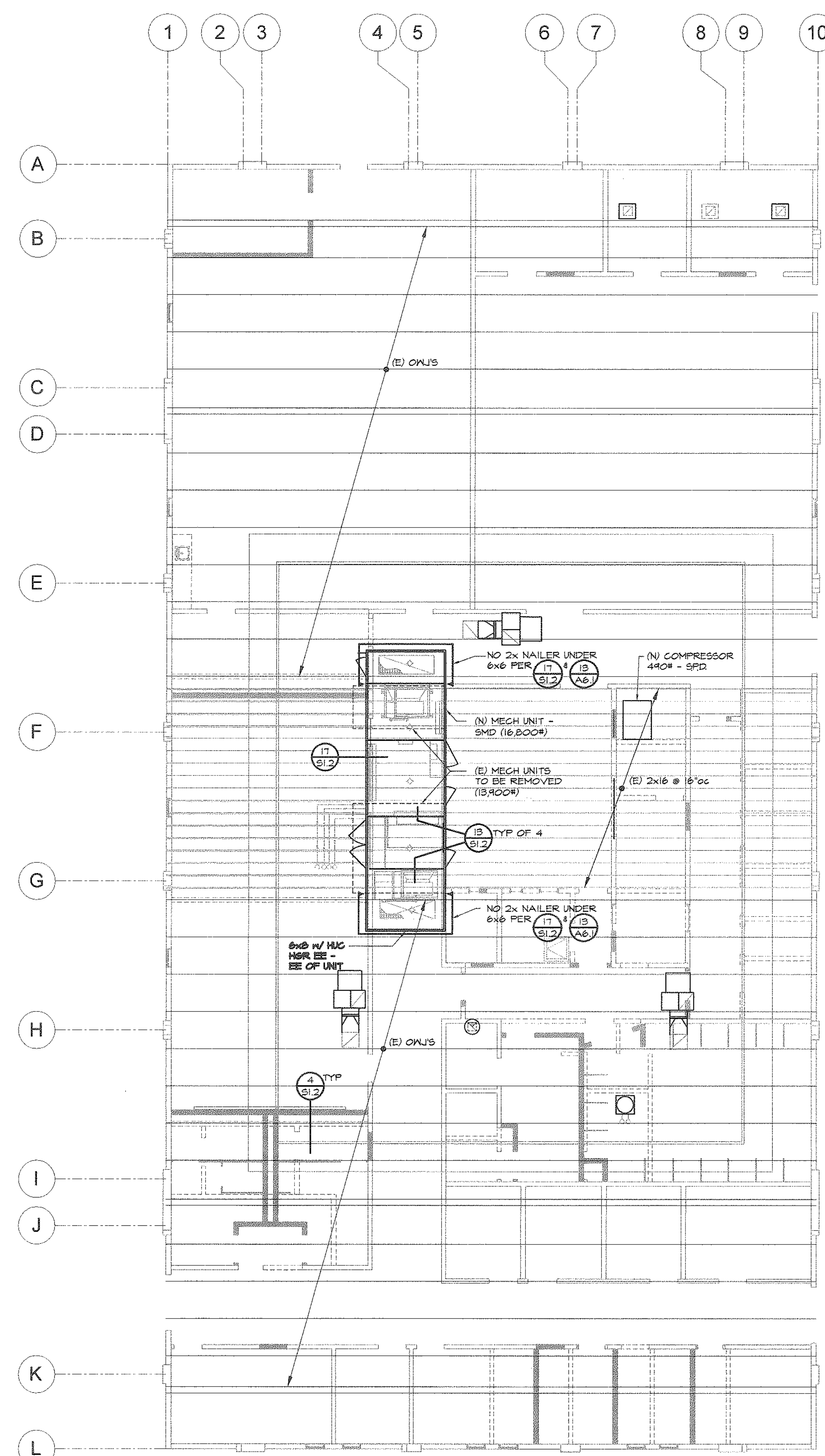
NOTES:

1. BOTTOM OF (E) FOOTINGS ARE 5'-0" BELOW TOP OF SLAB
2. SEE OTHER SHEETS FOR FOR LOCATION OF SAWCUTS IN SLAB - NOT ALL SLAB SAWCUTS ARE SHOWN ON THIS SHEET.



FOUNDATION PLAN

1/8"=1'-0"



ROOF FRAMING PLAN

1/8"=1'-0"

COMPLIANCE NOTES

MECHANICAL AND PLUMBING EQUIPMENT SHALL CONFORM TO THE FOLLOWING AS STATED IN THE ENERGY EFFICIENCY STANDARDS, 2005.

- BE CERTIFIED BY THE MANUFACTURER AS COMPLYING WITH THE EFFICIENCY REQUIREMENTS AS PRESCRIBED IN SECTIONS:
 111. APPLIANCES REGULATED BY THE APPLIANCE EFFICIENCY STANDARDS:
 112. HVAC EQUIPMENT EFFICIENCY AND PACKAGED CONTROLS:
 113. SERVICE WATER HEATING EFFICIENCY AND CONTROLS:
 114. POOL AND SPA HEATING EFFICIENCY AND CONTROLS:
 115. RESTRICTIONS ON PILOT LIGHTS:
- BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH SECTIONS:
 121. REQUIREMENTS FOR VENTILATION:
 122. REQUIRED CONTROLS FOR HVAC SYSTEMS:
 123. REQUIREMENTS FOR PIPE INSULATION:
 124. REQUIREMENTS FOR DUCT INSULATION:

EXHAUST FAN SCHEDULE

FAN CHARACTERISTICS					MOTOR CHARACTERISTICS					VIBRATION ISOLATORS		
MARK	MANUFACTURER	CFM	S. P. IN. OF WATER	TYPE & MODEL	RPM +/-	MIN. H.P.	VOLTS PHASE, CYCLE	STARTER TYPE	CONTROL	REMARKS	SPEC. TYPE	MIN. DEFL.
EF 1	GREENHECK	500	0.50"	UTILITY SWB-210	870	1/4	120/1/60	MAN.	T.C.RELAY	-	IB-C	1-1/2"
EF 2	GREENHECK	1275	0.75"	UTILITY SWB-212	1230	1/3	120/1/60	MAN.	T.C.RELAY	-	IB-C	1-1/2"
EF 4	GREENHECK	400	0.50"	UTILITY SWB-210	840	1/4	120/1/60	MAN.	T.C.RELAY	-	LB-C	1-1/2"
EF 5	GREENHECK	150	0.25"	ROOF FAN GB-071	810	1/8	120/1/60	MAN.	T.C.RELAY	-	-	-
EF 6	GREENHECK	800	0.50"	LOUVERED LBP-10	1050	1/4	120/1/60	MAN.	T.C.RELAY	-	-	-
EF 7	GREENHECK	1500	0.375"	LOUVERED LBP-18	560	1/4	120/1/60	MAN.	T.C.RELAY	-	-	-

VAV BOX SCHEDULE

SYMBOL	MOUNTING DETAIL	MANUFACTURER	MODEL	SERVED BY	INLET SIZE	MAX. CFM	MIN. CFM	COIL ROWS	GPM	MAX. WPD	MBH	VALVE (TYPE)	MAX. APD (IN. WG.)	WEIGHT POUNDS	REMARKS
VAV 1	D M4-1	TITUS	DESV	AHU-1	16	2950	1500	2	3.0	1.2	72.6	3-WAY	0.15	90	--
VAV 2	D M4-1	TITUS	DESV	AHU-1	16	2300	1300	2	3.0	.50	62.	3-WAY	0.13	65	--
VAV 3	D M4-1	TITUS	DESV	AHU-1	14	2080	1100	2	2.0	.56	45.	3-WAY	0.16	75	--
VAV 4	D M4-1	TITUS	DESV	AHU-1	7	400	200	2	1.0	0.24	11.0	3-WAY	0.13	43	--
VAV 5	D M4-1	TITUS	DESV	AHU-1	12	1250	700	2	4.0	2.8	47.2	3-WAY	0.23	65	--
VAV 6	D M4-1	TITUS	DESV	AHU-1	10	950	500	2	2.0	.65	24.3	3-WAY	0.16	55	--
VAV 7	D M4-1	TITUS	DESV	AHU-1	16	2800	1500	2	5.0	1.2	90.6	3-WAY	0.21	90	--
VAV 8	D M4-1	TITUS	DESV	AHU-1	9	525	300	2	2.0	.65	14.2	3-WAY	0.16	55	--
VAV 9	D M4-1	TITUS	DESV	AHU-1	10	750	400	2	2.0	.65	25.8	3-WAY	0.16	55	--
VAV 10	D M4-1	TITUS	DESV	AHU-1	9	400	250	2	2.0	.65	12.8	3-WAY	0.10	55	--
VAV 11	D M4-1	TITUS	DESV	AHU-1	10	675	400	2	2.0	.65	18.2	3-WAY	0.07	55	--
VAV 12	D M4-1	TITUS	DESV	AHU-1	10	600	300	2	2.0	.65	19.4	3-WAY	0.18	55	--
VAV 13	D M4-1	TITUS	DESV	AHU-1	12	800	600	2	2.0	.84	37.7	3-WAY	0.07	65	--

CONDENSING UNIT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	NOMINAL TONS	TOTAL COOLING	AMBIENT TEMP	SEER	COMPRESSOR RLA	CONDENSER FLA	MCA	MAX FUSE (AMPS)	VOLT/PH	WEIGHT	REMARKS
CU 1	CARRIER	38HDC018	1.5	525	105	13	8.0	49	0.7	10.7	15	208/230 1ø	175

PROVIDE: COMPRESSOR START ASSIST (PTC) CRANKCASE HEATER, CYCLE PROTECTOR, LINE SET, LOW AMBIENT CONTROLLER, WINTER START CONTROL

FAN COIL SCHEDULE

SYMBOL	MANUFACTURER	MODEL	ESP (IN WG)	CFM	COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	SIZE HxW	WEIGHT LBS.	REMARKS
FC 1	CARRIER	400KB024	0.5	525	76	55	18.0	13.0	1/16

PROVIDE: COMPRESSOR START ASSIST (PTC) CRANKCASE HEATER, CYCLE PROTECTOR, LINE SET, LOW AMBIENT CONTROLLER, WINTER START CONTROL

AIR HANDLING UNIT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	COOLING COIL										HEATING COIL										SUPPLY FAN						RETURN FAN					ELECTRICAL				OUTSIDE CFM	OPERATING WEIGHT LBS	PREFILTER		PREFILTER CLEAN W/VD (IN. WG.)	REMARKS									
			COOLING CAPACITY (BTU/H)		AIR ENT COIL		AIR LGV COIL		SIZE HxW	EWT	LWT	GPM	ROWS	FPI	WPD	APD	TCV		HEATING CAPACITY	AIR ENT COIL	AIR LGV COIL	SIZE HxW	EWT	LWT	GPM	ROWS	FPI	WPD	APD	TCV		CFM	TSP	ESP	TYPE	BHP	HP			CFM	ESP			TYPE	BHP	HP	MOTOR		CONTROL/LIGHTS		EFFICIENCY	FA SF
			TOTAL	SENSIBLE	DBF	WBFF	DBF	WBFF										TYPE	CV	BTU/H	DBF	DBF								TYPE	CV														VOLTS	PH	HZ	VOLTS				
AHU 1	GOVERN/IR	RSA07-E	620,776	557,826	83.5	64.5	51.4	50.9	45.5x54	44.0	56.0	103.5	6	10	8.92R	0.73	3 WAY	52	454,974	50.0	74.5	43.5x54	180	160	52.16	1	6	4.51	0.06	3 WAY	26	16,500	4.4"	2.5"	PLENUM	17.27	20	11,000	1.5	PLENUM	5.24	7.5	460	3ø	60	120	5500	16,800	40	90x60	0.75	A,B,C,D,E,F PROVIDE SUPPLY & RETURN FAN W/VD, WITH BYPASS

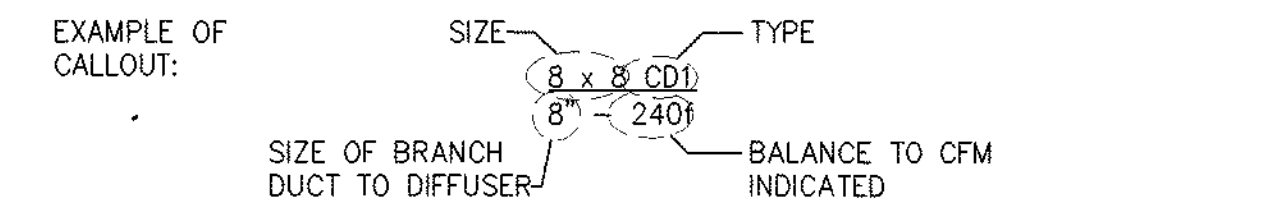
PROVIDE:

- ECONOMIZER
- ROOF CURB
- TEMPERATURE SENSORS BY CONTROL CONTRACTOR
- 3-WAY VALVES ON COILS
- W/ INTEGRAL DISCONNECT
- W/ INTEGRAL PIPE CHASE CABINET

MECHANICAL ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	MAX	MAXIMUM
ABV	ABOVE	MBH	BTU PER HOUR (THOUSAND)
ABC, OH	ABOVE CEILING, OVERHEAD	MC	MECHANICAL CONTRACTOR
AC	AIR CONDITIONING	MIN	MINIMUM
AD	ACCESS DOOR	MPS	MEDIUM PRESSURE STEAM
ADA	AMERICANS W/ DISABILITIES ACT	(N) (E)	NEW, EXISTING
AE	AIR EXTRACTOR	N.C.	NORMALLY CLOSED
AFF	ABOVE FINISHED FLOOR	NEG	NEGATIVE
AL	ACOUSTICALLY LINED	NIC	NOT IN CONTRACT
AHU	AIR HANDLING UNIT	N.O.	NORMALLY OPEN
APD	AIR PRESSURE DROP	OB	OPPOSED BLADE DAMPER
BHP	BRAKE HORSEPOWER	OC	ON CENTER
BOD	BOTTOM OF DUCT	OP	OPERATING
BR	BRANCH	PH	PHASE
BTU	BRITISH THERMAL UNIT	POC	POINT OF CONNECTION
BTUH	BTU PER HOUR	PSI	POUNDS PER SQUARE INCH
CAV	CONSTANT AIR VOLUME	PT	PRESSURE TREATED
CD	CONDENSATE DRAIN	PTDF	PRESSURE TREATED DOUGLAS FIR
CFM, f	CUBIC FEET OF AIR PER MINUTE	P&TRV	PRESSURE & TEMPERATURE RELIEF VALVE
CFS	CUBIC FEET PER SECOND	RBPB	REDUCED PRESSURE BACKFLOW PREVENTER
CL	CENTERLINE	(R) (D)	RISE, DROP
CO	CLEANOUT	RD, OFL	ROOF DRAIN, OVERFLOW
CONC.	CONCRETE	REF	ROOF EXHAUST FAN
CONN.	CONNECT	REQ'D	REQUIRED
CR	CONDENSATE RETURN (STEAM)	RL	REFRIGERANT LIQUID
CS	CURRENT SENSOR	RPM	REVOLUTIONS PER MINUTE
CU	CONDENSING UNIT	RS	REFRIGERANT SUCTION
CU FT	CUBIC FEET	SM	SHEET METAL
CU IN	CUBIC INCHES	SMS	SHEET METAL SCREWS
CVB	CONSTANT VOLUME BOX	SOV	SHUT OFF VALVE
CW	COLD WATER	SS	STAINLESS STEEL
DB	DRY BULB	STL	STEEL
DF	DOUGLAS FIR	TA, FA	TO ABOVE, FROM ABOVE
DIA, Ø	DIAMETER	TB, FB	TO BELOW, FROM BELOW
DSP	DUCT STATIC PRESSURE SENSOR	TBR	TO BE REMOVED
EA, OA, RA, SA	EXHAUST, OUTSIDE, RETURN & SUPPLY AIR	TCC	TEMPERATURE CONTROL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR	TCP	TEMPERATURE CONTROL PANEL
ESP	EXTERNAL STATIC PRESSURE	THK	THICK
EWT	ENTERING WATER TEMPERATURE	TR	TO REMAIN
FA	FACE AREA (SQUARE FEET)	TSP	TOTAL STATIC PRESSURE
FC	FLEXIBLE CONNECTION	TV	TURNING VANES
FLA	FULL LOAD AMPS	TYP	TYPICAL
FPI	FINS PER INCH	UG, UF	UNDERGROUND, UNDERFLOOR
FPM	FEET PER MINUTE	UON	UNLESS OTHERWISE NOTED
GALV.	GALVANIZED	UTR	UP THROUGH ROOF
GA	GAUGE	VAC	VOLTS ALTERNATING CURRENT
GC	GENERAL CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE
HP	HORSE POWER	WB	WET BULB
HWS	HOT WATER SUPPLY	WG	WATER GAUGE
HWR	HOT WATER RETURN	WOG	WATER OIL GAS PRESSURE RATING
HZ	FREQUENCY (HERTZ)	WP	WATER PRESSURE
LBS	POUNDS	WPD	WATER PRESSURE DROP
LRA	LOCKED ROTOR AMPS	WT, AT	WATERTIGHT, AIRTIGHT
LWT	LEAVING WATER TEMPERATURE		
MAV	MANUAL AIR VENT		

DIFFUSER, REGISTER, & GRILLE SCHEDULE



SYMBOL	DESCRIPTION
CD1	CEILING DIFFUSER - 1 "TITUS" MODEL MCD, MODULAR CORE, STEEL CONSTRUCTION, FRAME TYPE 3 FOR T-BAR INSTALLATION. DIFFUSER, SIZE AND BLOW PATTERN AS INDICATED ON DRAWINGS. FURNISH WITH AG-95 OPPOSED BLADE DAMPER AND OFF-WHITE FINISH.
CD2	CEILING DIFFUSER - 2 "TITUS" MODEL MCD, STEEL CONSTRUCTION, FRAME TYPE 6 FOR SURFACE MOUNTING. FURNISH WITH AG-95 OPPOSED BLADE DAMPER AND OFF-WHITE FINISH. SIZE AND BLOW PATTERN AS INDICATED ON DRAWINGS.
R1	RETURN REGISTER - 1 "TITUS" MODEL 50F, 1/2" x 1/2" EGG-CRATE GRID, ALUMINUM CONSTRUCTION, FRAME TYPE 3 FOR T-BAR INSTALLATION, OPPOSED BLADE DAMPER, OFF-WHITE PAINT, SIZE AS INDICATED ON DRAWINGS.
R2	RETURN REGISTER - 2 "TITUS" MODEL 50F, 1/2" x 1/2" EGG-CRATE GRID, ALUMINUM CONSTRUCTION, FRAME TYPE 3 FOR SURFACE MOUNTING, OPPOSED BLADE DAMPER, OFF-WHITE PAINT, SIZE AS INDICATED ON DRAWINGS.
SR1	SUPPLY REGISTER - 1 "TITUS" MODEL 272RS, STEEL CONSTRUCTION, ADJUSTABLE BLADES, OPPOSED BLADE DAMPER, OFF-WHITE PAINT, SIZE AS INDICATED ON DRAWINGS.
ER1	EXHAUST REGISTER - 1 SAME AS R1
RR1	RETURN REGISTER "TITUS" MODEL 25RL, STEEL CONSTRUCTION, OPPOSED BLADE DAMPER, OFF-WHITE PAINT, SIZE AS INDICATED ON DRAWINGS.
ER2	EXHAUST REGISTER - 2 "TITUS" MODEL 50F, 1/2" x 1/2" EGG-CRATE GRID, ALUMINUM CONSTRUCTION, FRAME TYPE 3 FOR SURFACE MOUNTING, OPPOSED BLADE DAMPER, OFF-WHITE PAINT, SIZE AS INDICATED ON DRAWINGS.

MECHANICAL LEGEND

	UNIT TYPE UNIT NUMBER
	DETAIL NUMBER SHEET NUMBER ON WHICH DETAIL IS FOUND
	SECTION NUMBER SHEET ON WHICH SECTION IS FOUND
	ACOUSTICALLY LINED DUCT - DIMENSIONS ARE OUTSIDE
	BRANCH TAKE-OFF WITH SPLITTER DAMPER & W/ THROAT SIZE AS INDICATED. TRANSITION TO DUCT SIZES SHOWN.
	DUCT RISE (DROP) IN DIRECTION OF AIR FLOW
	DUCT - WIDTH x DEPTH
	LATERAL WITH CONICAL TRANSITION TO DUCT SIZES INDICATED
	CONICAL TEE FROM RECTANGULAR TO ROUND BRANCH
	45° ENTRY TEE, RECTANGULAR BRANCH, RECTANGULAR MAIN
	45° WYE, CONICAL MAIN AND BRANCH WITH 45° ELBOW, BRANCH 90° TO MAIN
	TEE WITH ADJUSTABLE EXTRACTOR. RECTANGULAR MAIN, RECTANGULAR BRANCH
	RADIUS ELL. SEE SPECS.
	SQUARE ELL WITH TURNING VANES
	TRANSITION ROUND TO RECTANGULAR
	VERTICAL DUCT RISE OR DROP
	DUCTS, PIPES, OR EQUIPMENT TO BE REMOVED
	DUCT DROP OR RISE THRU ROOF OR FLOOR
	RETURN, OUTSIDE, OR EXHAUST AIR DUCT
	SUPPLY DUCT
	ACCESS DOOR
	AUTOMATIC CONTROL DAMPER
	MANUAL AIR DAMPER
	VOLUME DAMPER WITH REMOTE BALANCING DEVICE
	FIRE DAMPER
	FIRE SMOKE DAMPER
	SMOKE DETECTOR
	DUCT STATIC PRESSURE SENSOR
	THERMOSTAT (MOUNT @ 48" AFF)
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	HOT WATER SUPPLY
	HOT WATER RETURN
	HOT GAS LINE
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	FLEXIBLE CONNECTION
	FLOW SENSOR
	GATE VALVE
	PETE'S PLUG
	SHUT OFF COCK
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	REDUCER
	PRESSURE & TEMPERATURE RELIEF VALVE
	SHUT OFF VALVE
	SIGHT GLASS
	STRAINER
	STRAINER & DRAIN VALVE WITH HOSE FITTING
	SOLENOID VALVE
	THERMOMETER
	TWO WAY CONTROL VALVE
	THREE WAY CONTROL VALVE
	UNION



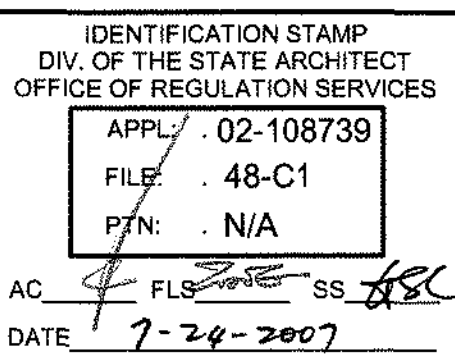
TLCD ARCHITECTURE

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Solano Community
College District
4000 Suisun Valley Road
Fairfield, California

PROJECT NUMBER:

06047.00

DATE:

March 2, 2007

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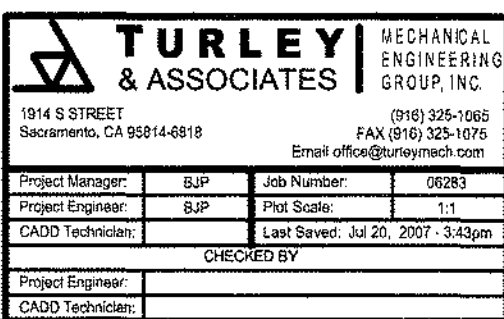
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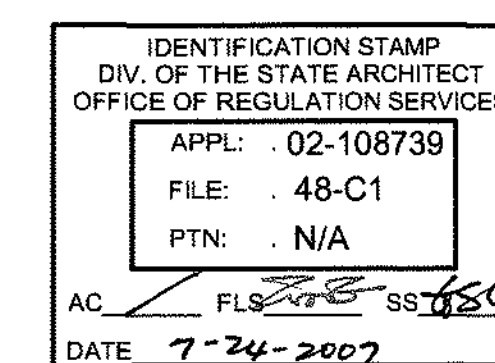
MECHANICAL
LEGEND,
SCHEDULES &
NOTES

SHEET

M0.1



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Solano Community
College District
4000 Suisun Valley Road
Fairfield, California

REVISIONS:

M 1.2



**TURLEY
& ASSOCIATES** MECHANICAL ENGINEERS GROUP, INC.

1914 S STREET
SACRAMENTO, CA 95814-6818

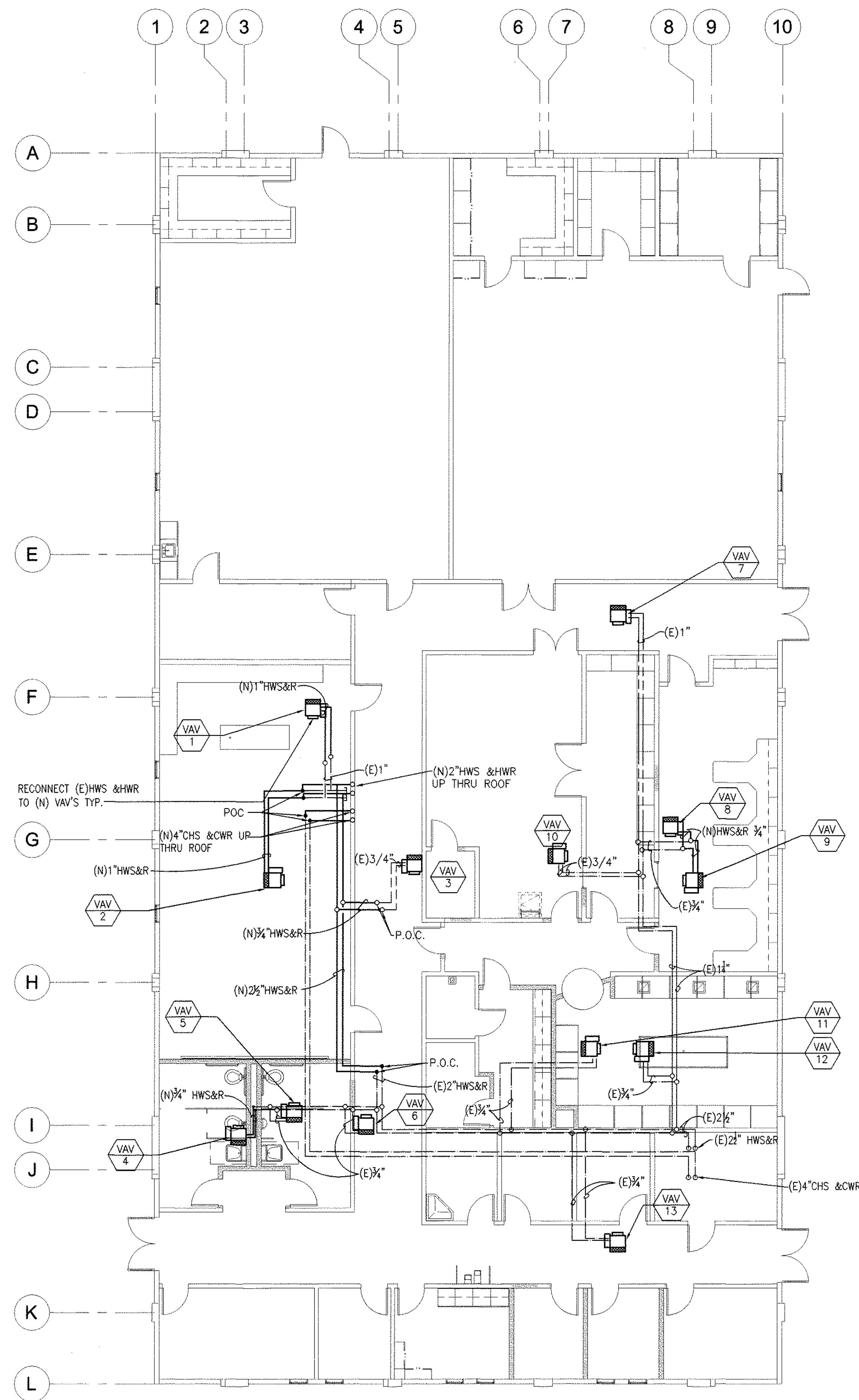
(916) 325-
FAX: (916) 325-
Email: office@turleyinc.com

Project Manager:	BLP	Job Number:	05200
Project Engineer:	BLP	Plot Scale:	1"=1'
CADD Technician:	WJS	Last Saved:	Jul 20, 2007 - 3:11

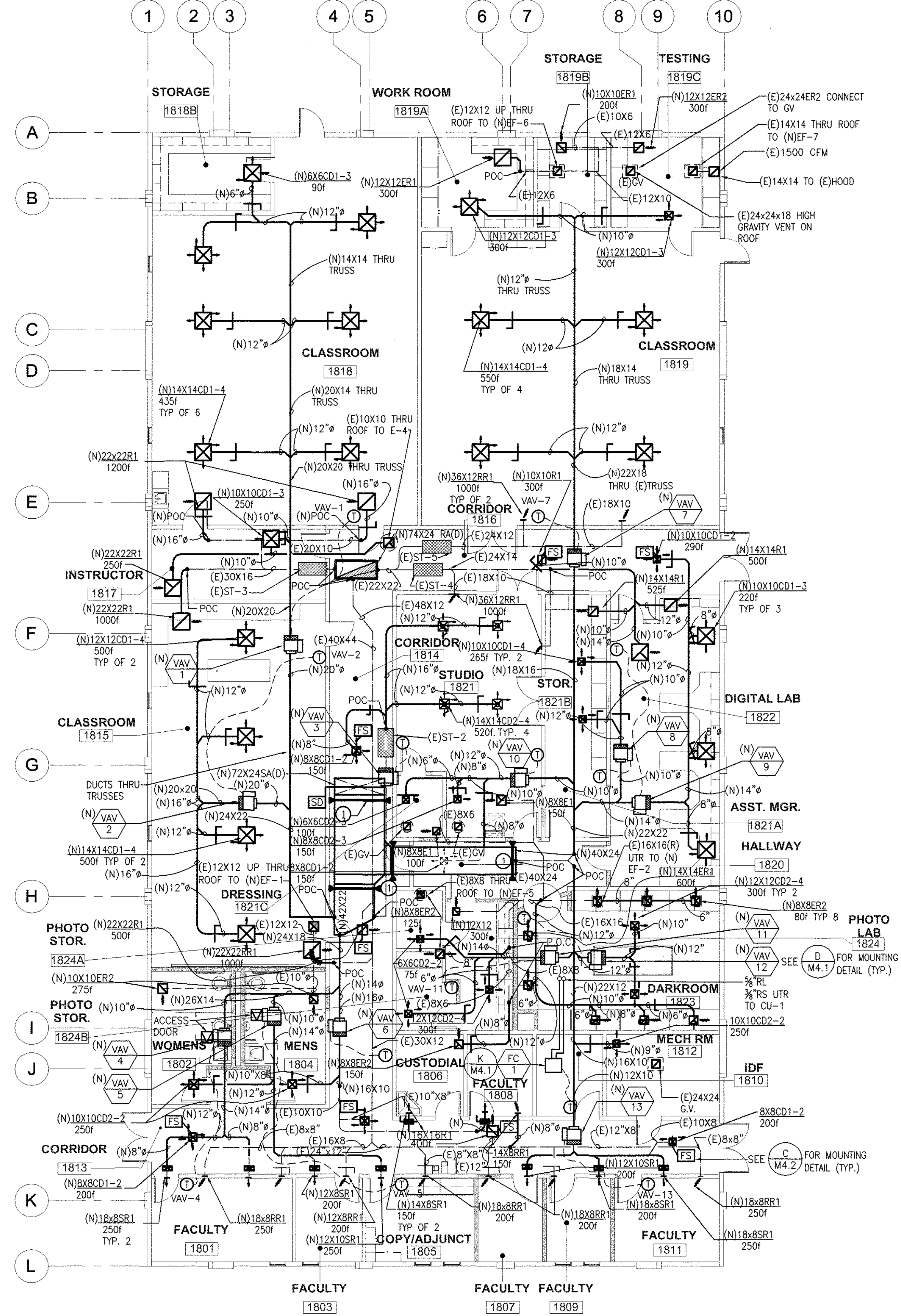
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B NEW FLOOR PLAN HYDRONICS
SCALE: 1/8" = 1'-0"



A MECHANICAL NEW FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTE
① SEE G M4.1 FOR SEISMIC BRACE



TLCD ARCHITECTURE
111 Santa Rosa Avenue, Suite 300
Santa Rosa, CA 95404
707 525-5600
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Solano Community College - Building 1800A
4000 Suisun Valley Road
Fairfield, California 94534

Solano Community College District
4000 Suisun Valley Road
Fairfield, California

PROJECT NUMBER:
06047.00
DATE:
March 2, 2007
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REVISIONS:

MECHANICAL FLOOR PLAN

SHEET

M 2.1

TURLEY & ASSOCIATES MECHANICAL ENGINEERING
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Martinez, CA 94551-1819
Project Manager: [Signature] Job Number: 06047
Project Engineer: [Signature] Title: [Signature]
CAD Technician: [Signature] Date: [Signature]
Project Engineer: [Signature]
CAD Technician: [Signature]

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SEISMIC CABLE BRACE SYMBOL LEGEND

LONGITUDINAL CABLE BRACE	TRANSVERSE CABLE BRACE
ALL-DIRECTIONAL CABLE BRACE	ALL-DIRECTIONAL CABLE BRACE
LONGITUDINAL CABLE BRACE	TRANSVERSE CABLE BRACE

THIS DRAWING IS CERTIFIED FOR SEISMIC BRACING PER APPLICABLE CODES AND SPECIFICATIONS USING MASON INDUSTRIES SEISMIC BRACE COMPONENTS FROM THE MASON INDUSTRIES SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED PIPING, DUCTWORK AND ELECTRICAL SYSTEMS. SUBSTITUTION OF COMPONENTS WILL CHANGE THE LAYOUT OF THE SEISMIC BRACES.

2. SEISMIC RESTRAINTS ARE REQUIRED FOR THE FOLLOWING INSTALLATIONS:

- A. ALL DUCTWORK CONTAINING HAZARDOUS GASES OR EXHAUST GASES UNLESS SPECIFICALLY EXCEPTED BY THE ENGINEER OF RECORD.
- B. ALL RECTANGULAR AND SQUARE DUCTS 6 SQUARE FEET AND LARGER IN CROSS SECTION.
- C. ALL ROUND DUCTS 28 INCHES AND LARGER IN DIAMETER.

3. SEISMIC RESTRAINTS LOCATED ON THIS DRAWING MAY BE OMITTED IF:

- A. THE DUCTWORK PENETRATES A FULL HEIGHT WALL WITHIN 10 FEET OF THE VARYED LOCATION AND THE PENETRATION IS TIGHTLY PACKED. (SMOKE FIRE DAMPERS & WALL PENETRATIONS CANNOT BE USED AS A SEISMIC RESTRAINT LOCATION.)
- B. THE DUCTWORK IS SUPPORTED WITHIN 12" OF THE SUPPORTING STRUCTURE AS MEASURED FROM THE TOP OF THE DUCTWORK TO THE POINT OF ATTACHMENT OF THE HANGER. HANGERS MUST BE SHEET METAL STRIPS ATTACHED WITHIN 2" OF THE TOP OF THE DUCTWORK WITH (2) #10 SHEET METAL SCREWS. EACH HANGER ON THE DUCTWORK RUN MUST MEET THESE REQUIREMENTS.

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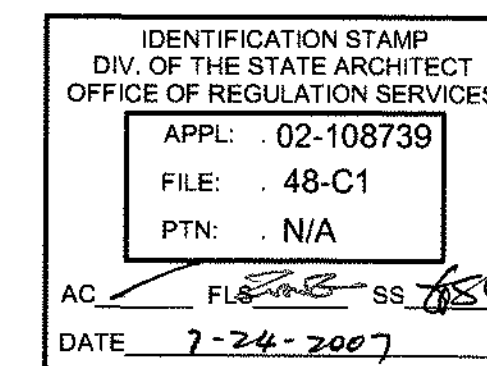
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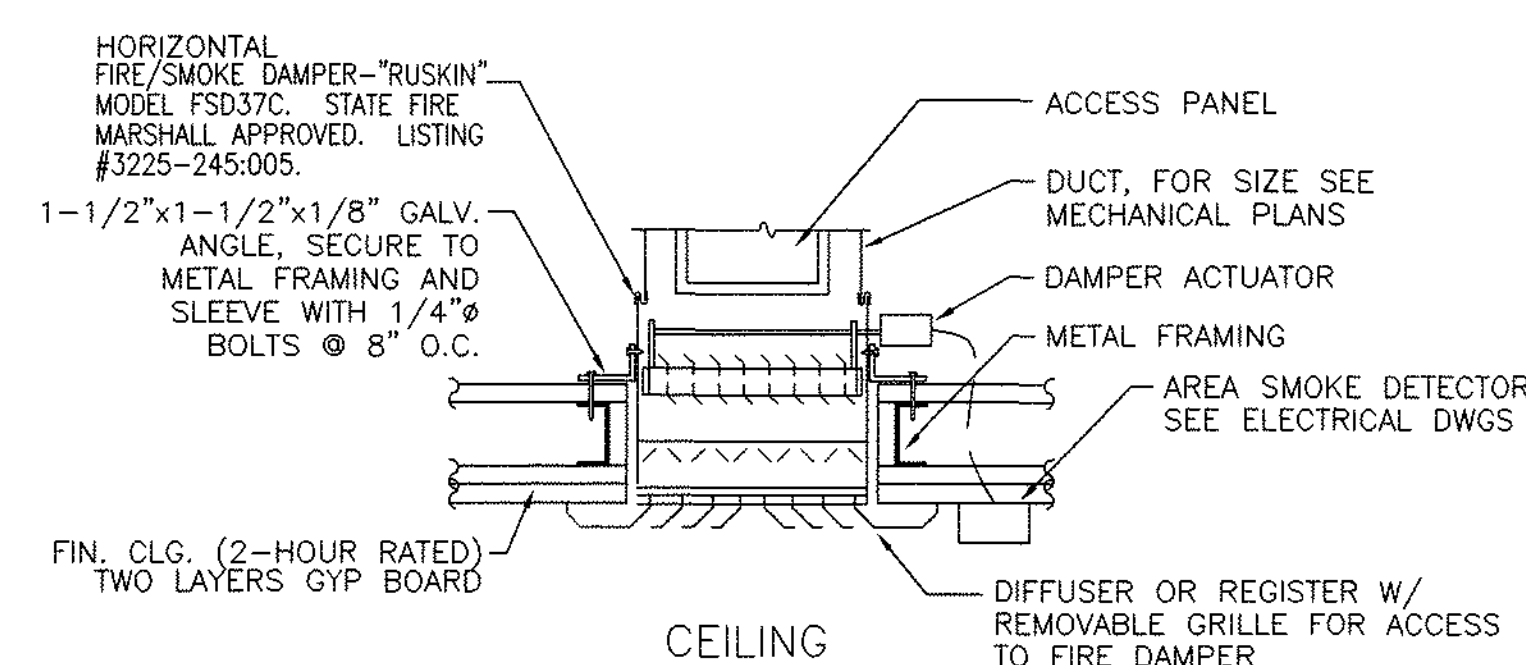
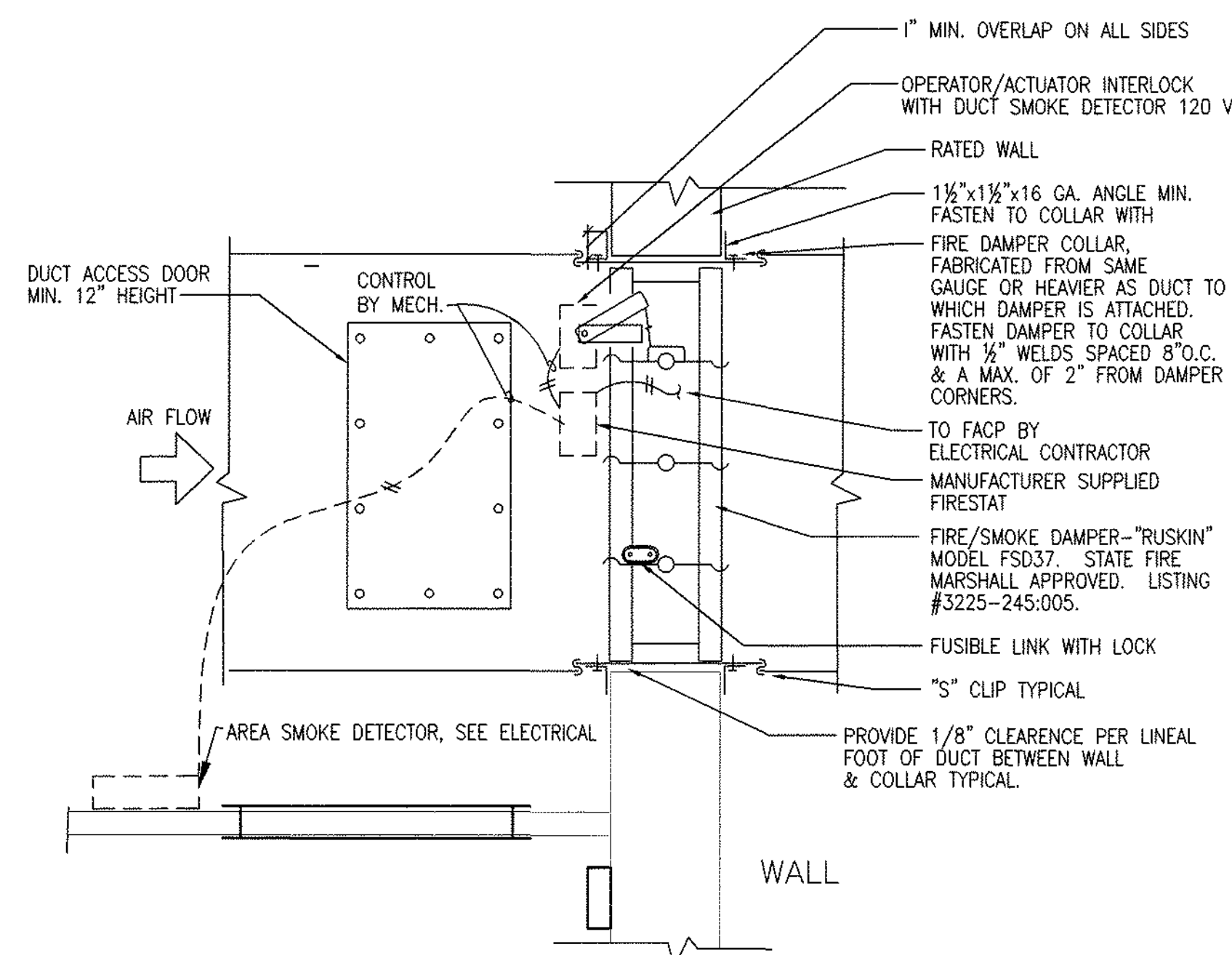
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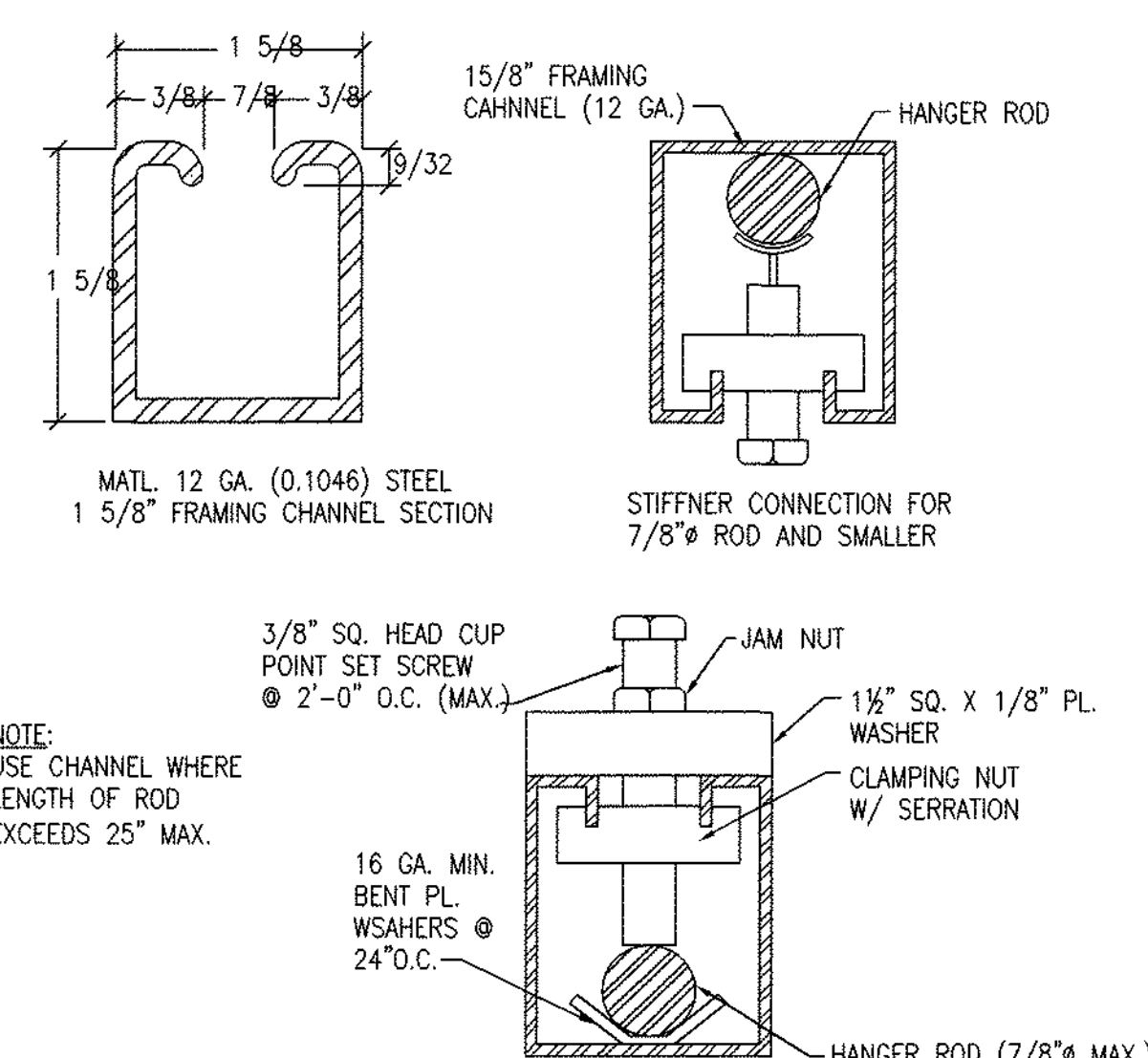


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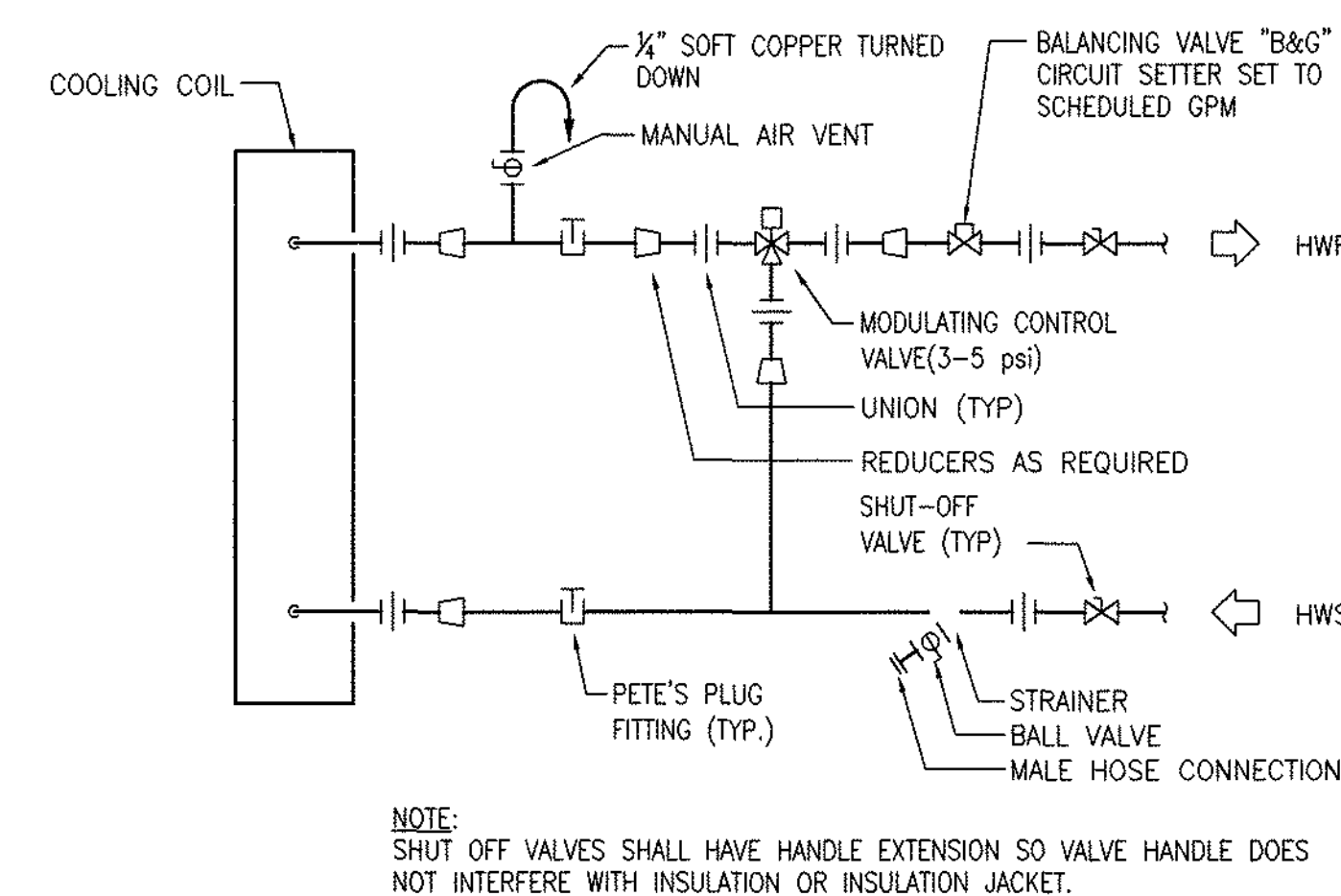
1. ALL FIRE DAMPERS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE TERMS OF THE LISTING.
2. FIRE DAMPER DETAIL FOR REFERENCE ONLY.
3. FIRE DAMPERS SHALL BE STATE FIRE MAJOR LISTED AND INSTALLED STRICTLY PER MANUFACTURERS PRINTED INSTRUCTIONS.
4. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.
5. DAMPER ACTUATOR & SMOKE DETECTOR SHALL BE INTERLOCKED WITH BUILDING ALARM SYSTEM. SEE ELECTRICAL DRAWING E/3.01.
6. FIRE DAMPER TO CLOSE UPON LOSS OF POWER. PROVIDE END LIMIT SWITCH.
7. ASSEMBLY TO BE INSTALLED AT DUCTS THRU AREA SEPARATION WALLS, OCCUPANCY SEPARATION WALLS, & CORRIDORS, SERVING AS A MEANS OF EGRESS & SHAFT ENCLOSURES.
8. THE SMOKE DAMPER RESPONSE TIME SHALL MEET THE REQUIREMENTS OF CBC SECTION 905.1.



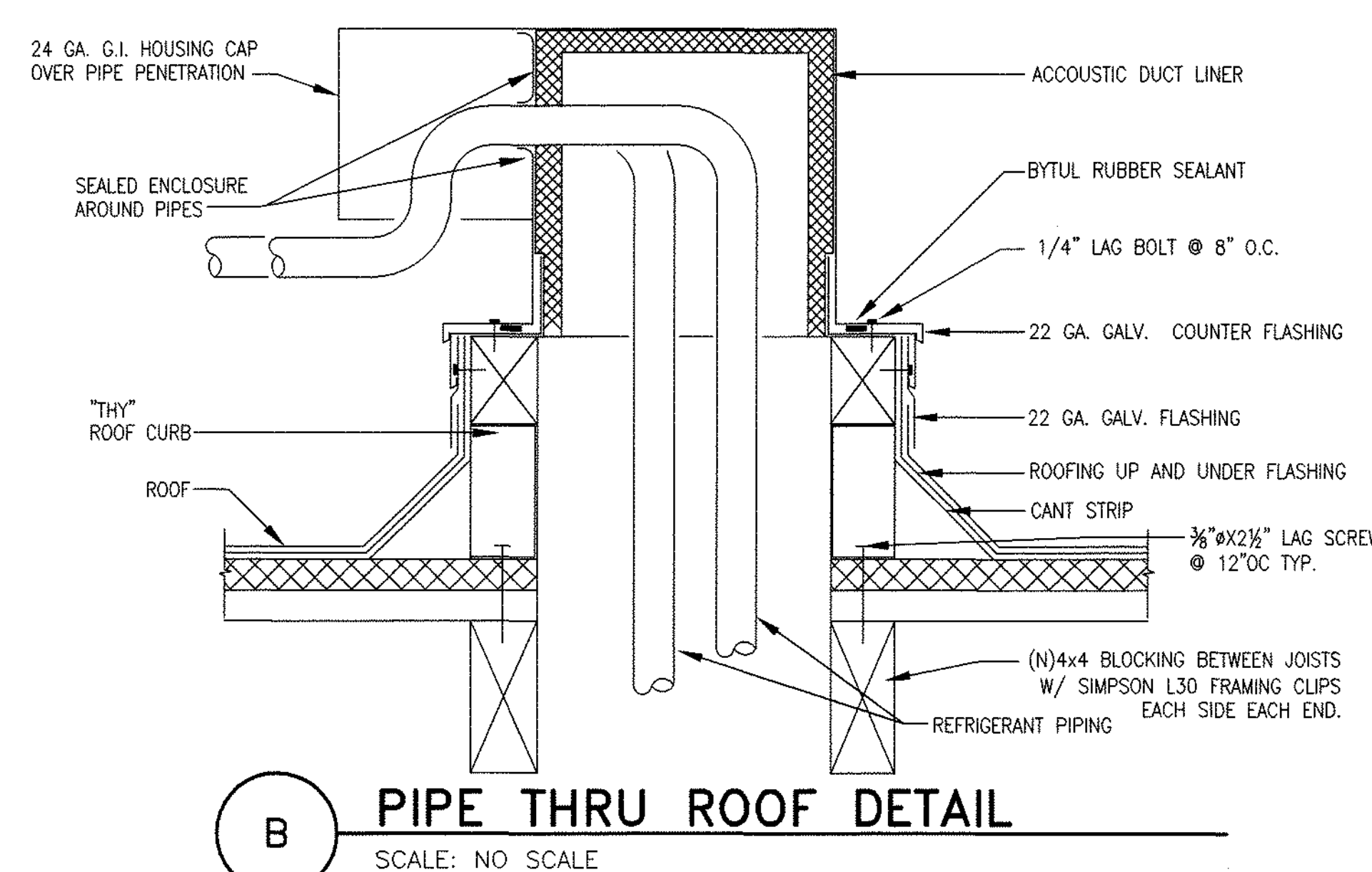
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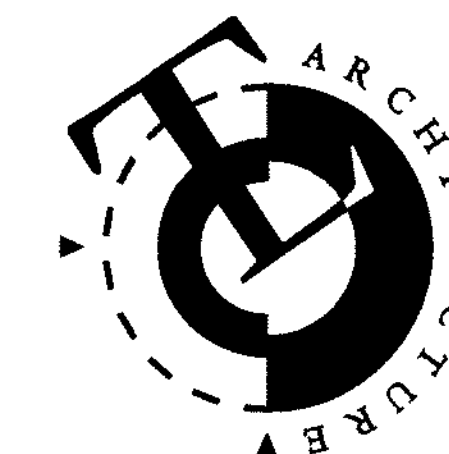
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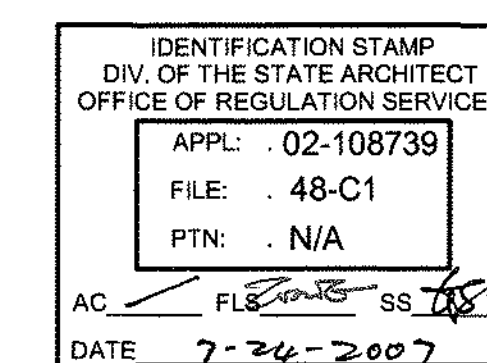
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Santa Rosa, CA 95404



4000 Suisun Valley Road

Solano Community

PROJECT NUMBER
06047.00

DATE: 11-15-2000

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M4.2

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Project Engineer:	
CADD Technician:	



1. SEE EQUIPMENT SCHEDULES FOR QUANTITIES



1. MOUNT DUCT DPT 2/3 DOWN MAIN DUCT RUN
2. MOUNT SPACE DPT WHERE SHOWN ON DRAWINGS
3. SEE EQUIPMENT SCHEDULE FOR 2 OR 3 WAY VALVE REQUIREMENTS



1. SEE SCHEDULES FOR QUANTITIES AND LOCATIONS.



1. SEE EQUIPMENT SCHEDULES FOR QUANTITIES
2. SEE VAV SCHEDULES FOR 2-WAY OR 3-WAY VALVE REQUIREMENTS



1. LOCATE WHERE SHOWN ON PLANS



1. SEE SCHEDULES FOR QUANTITIES AND LOCATIONS.

SEQUENCE OF OPERATION

SYSTEM OPERATION

PROVIDE AN ALERTON BACTALK SYSTEM TO MATCH EXISTING COLLEGE STANDARDS. ALL SYSTEM TEMPERATURES AND STATUS SHALL BE DISPLAYED AND BE ADJUSTABLE FROM THE ALERTON COMPUTER WORKSTATION. CONTACT SOLANO COLLEGE TEMPERATURE CONTROL CONTRACTOR (TCC) PHIL HERVE AT SYSERCO (707) 588-7400.

AIR HANDLERS
DURING PERIODS OF OCCUPANCY THE AH UNIT VMC CONTROLLER WILL ENABLE THE SUPPLY & RETURN FAN TO OPERATE. THE ECONOMIZER DAMPER WILL POSITION THE AH UNIT VMC TO MAINTAIN THE SUPPLY AIR TEMPERATURE MONITOR ALL OF THE VAV ZONES AND DETERMINE THE VAV POSITION. THE AH UNIT VMC WILL CYCLE THE HEATING COILING MODE, ONCE A MODE HAS BEEN ESTABLISHED, THE AH UNIT VMC WILL CYCLE THE HEATING COILING MODE. THE AH UNIT VMC WILL MAINTAIN THE SUPPLY AIR TEMPERATURE TO SATISFY THE ZONE DEMAND. THE CONTROLLER WILL RESET THE SUPPLY AIR SETPOINT TO SATISFY THE ZONE WITH THE HIGHEST DEMAND. THE CONTROLLER WILL PROVIDE ALL ECONOMIZER CONTROLS FROM VMC CONTROLLER. ECONOMIZER ALGORITHMS SHALL BE BASED ON THE FOLLOWING:
1. THE OUTSIDE AIR DAMPER POSITION SHALL BE DISPLAYED AND ADJUSTABLE FROM EACH DETAILED INDIVIDUAL UNIT CONTROL PANEL GRAPHIC, ON A CALL FOR COOLING, THE VMC CONTROLLER WILL MODULATE THE OUTSIDE AIR DAMPER POSITION TO MAINTAIN THE FIRST OUTSIDE AIR TEMPERATURE SETPOINT. IF THE OUTSIDE AIR TEMPERATURE IS BELOW THE OUTSIDE AIR LOCKOUT TEMPERATURE SET AT 65 DEGREES FAHRENHEIT (ADJUSTABLE), IF DURING ECONOMIZER OPERATION, THE OUTSIDE AIR CANNOT MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT, THE VMC CONTROLLER WILL CLOSE THE OUTSIDE AIR DAMPER TO MAINTAIN THE ECONOMIZER TO MAINTAIN THE SUPPLY AIR COOLING SETPOINT. IF THE TEMPERATURE RISES ABOVE THE OUTSIDE AIR LOCKOUT TEMPERATURE, THE VMC WILL CLOSE THE ECONOMIZER DAMPER TO MINIMUM POSITION AND MAINTAIN THE SUPPLY AIR TEMPERATURE TO SATISFY THE ZONE DEMAND. ON A CALL FOR HEATING THE VMC WILL POSITION THE ECONOMIZER DAMPERS TO MINIMUM POSITION AND MAINTAIN THE SUPPLY AIR TEMPERATURE TO SATISFY THE ZONE DEMAND. ON A CALL FOR HEATING SETPOINT, THE OUTSIDE AIR DAMPER WILL BE MODULATED CLOSED UPON UNIT SHUTDOWN.

PROVIDE A FILTER DIFFERENTIAL PRESSURE TRANSDUCER FOR FILTER LOADING. TCC TO PROVIDE HIGH DUCT PRESSURE SWITCHES INTERLOCKED TO THE EMERGENCY STOP CONTACTS OF THE FAN VFD'S AS NECESSARY TO DISABLE THE UNIT WHEN THE SUPPLY DUCT PRESSURE EXCEEDS ACCEPTABLE RANGE.

PRESSURE CONTROL
THE SUPPLY FAN VFD WILL BE MODULATED TO MAINTAIN DUCT STATIC PRESSURE SETPOINT. THE RETURN FAN VFD WILL BE MODULATED TO MAINTAIN BUILDING STATIC PRESSURE SETPOINT. DIFFERENTIAL PRESSURE TRANSDUCER LOCATIONS AND SETPOINTS TO BE DETERMINED DURING STARTUP.

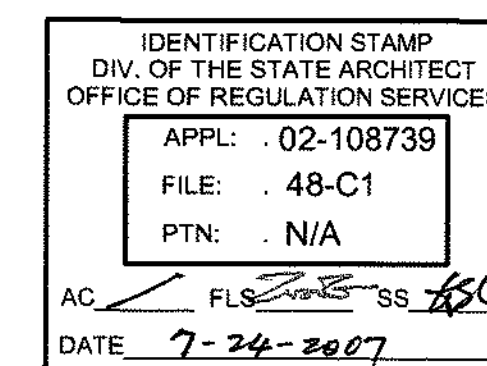
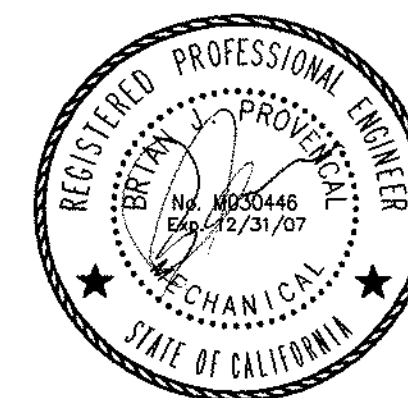
DUCT SMOKE DETECTORS
FIRE ALARM CONTRACTOR TO PROVIDE ACCEPTABLE FIRE MARSHALL APPROVED SUPPLY AIR DUCT SMOKE
TEMPERATURE FOR ALL UNITS LISTED TO SHUT-DOWN UPON DETECTION OF PRODUCTS OF COMBUSTION.
TEMPERATURE CONTROL CONTRACTOR TO INSTALL AIR HANDLER DUCT MOUNTED SMOKE DETECTORS AND
INTERLOCK WIRING TO THE EMERGENCY STOP CONTACTS OF THE FAN VFD'S. DIVISION 16 TO INSTALL ANY
DUCT SMOKE DETECTORS THAT ARE INTERLOCKED TO THE FIRE/SMOKE DAMPERS. DIVISION 16 TO PROVIDE
INTERLOCK WIRING FROM THE FIRE/SMOKE DAMPERS TO THE FIRE ALARM SYSTEM. DIVISION 16 TO PROVIDE
ALL 120V POWER FOR DUCT DETECTORS AND FIRE/SMOKE DAMPERS.

VAV BOXES
 EACH VAV BOX COMPARES ITS ROOM TEMPERATURE WITH THE AIR HANDLER SUPPLY AIR TEMPERATURE TO
 DETERMINE THE VAV BOX MODE. EACH SDVAV VLC CONTROLLER WILL COMMUNICATE ITS ZONE DEMAND TO
 THE BCM CONTROLLER FOR AIR HANDLER RESET. THE SDVAV VLC CONTROLLER SHALL MODULATE THE VAV
 BOX DAMPER AND REHEAT VALVE TO MAINTAIN ROOM SETPOINT. THE SDVAV VLC CONTROLLER SHALL
 REVERSE THE ACTION OF THE VAV BOX WHENEVER THE AHU IS IN MORNING WARM-UP MODE.

FAN COIL UNIT
TCC TO INTERLOCK LOW VOLTAGE CONTROL INTERLOCK WIRING BETWEEN INDOOR AND OUTDOOR UNIT. TCC TO
ALSO MOUNT BLANK STAINLESS STEEL ROOM SENSOR IN ROOM TO MONITOR ROOM TEMPERATURE FROM EMS COMPUTER.
TCC TO INTERLOCK ROOM SENSOR TO NEAREST VLC CONTROLLER. TCC TO ALSO SETUP ROOM HIGH TEMPERATURE ALARM

EXHAUST FAN
TCC TO INTERLOCK EXHAUST FAN TO NEAREST VLC CONTROLLER. TCC TO FURNISH AND INSTALL ENABLE RELAY AND
CURRENT SENSOR FOR EXHAUST FAN STATUS.

POWER WIRING
POWER WIRING TO ALL EQUIPMENT AND 120V POWER WIRING TO CONTROL PANELS SHALL BE BY ELECTRICAL CONTRACTOR. ALL 24V POWER WIRING TO VAV BOX CONTROLS SHALL BE BY TEMPERATURE CONTROLS CONTRACTOR.



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1800A
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Fairfield, California 94534

Solano Community
College District
4000 Suisun Valley Road
Fairfield, California

PROJECT NUMBER

06047.00

DATE:

March 2, 2007

DRAWN BY:

1000000

CHECKED BY:

REVISIONS:

MECHANICAL CONTROLS

SHEET

M5.1

**TURLEY
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CADD Technician:		Last Saved:	Jul 20, 2007 - 3:45

CHECKED BY

Project Engineer:	
CADD Technician:	

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WC-1 WATER CLOSET: "AMERICAN STANDARD" MODEL 2234.015 FLOOR MOUNT, FLUSH VALVE, SIPHON JET. "SLOAN" G2 OPTIMA PLUS 8111 EXPOSED BATTERY POWERED FLUSH VALVE. "OLSONITE" #95 SEAT. 1.6gpf

L-1 LAVATORY: "AMERICAN STANDARD" #0356.421. WALL HUNG, SINGLE HOLE, 20x8 "SPEAKMAN" #S-8700 SENSORFLOW FAUCET WRAP "P" TRAP & GRID STRAINER, ADA

WC-2 WATER CLOSET: "AMERICAN STANDARD" MODEL 3043.102 FLOOR MOUNT, FLUSH VALVE, SIPHON JET. "SLOAN" G2 OPTIMA PLUS 8111 EXPOSED BATTERY POWERED FLUSH VALVE. "OLSONITE" #95 SEAT. 1.6gpf, ADA

UR-1 URINAL: "AMERICAN STANDARD" MODEL 6541.132 WALL HUNG. 1.0 gpf "SLOAN" G2 OPTIMA PLUS 8186, EXPOSED BATTERY POWERED FLUSH VALVE, POWER CARRIER

JS-1 MOP SINK: "STERN WILLIAMS" MODEL # SBC-1700-BP2, 24"x24", T-40 STAINLESS STEEL MOP HANGER, BP-2 STAINLESS STEEL SPASH CATCHER, B71-3 DRAIN WITH CHROME STRAINER, SS RIM GUARD, "CHICAGO", B87-CP FAUCET, VACUUM BREAKER BREAKER ASSEMBLY, 3/4" HOSE THREAD, PAI HOSE, TOP BRACE, ADJUSTABLE SUPPLY ARMS, ADA

DF-1 ELECTRIC WATER COOLER, "HAWS" HWBFAVLRC, HI-LO, STAINLESS STEEL, 115V-1 PH., R134a REFRIGERANT, PROVIDE SUPPLY AND STOP, A.D.A.

FD-1 FLOOR DRAIN, "SMITH" 2005, 5" DIA, NB, TOP, CAST IRON BODY, TRAP PRIMER CONNECTION.

RR-1 ROOF RECEPT, "SMITH" 3860, 71/4" DIA, SUMP RECEIVER, UNDERDECK CLAMP, EXTENSION.

WHA-1 WATER HAMMER ARRESTER, "J. R. SMITH" HYDROTROL, PROVIDE ACCESS DOOR.

RD-1 ROOF DRAIN, "SMITH" 1010ERC, SUMP RECEIVER, UNDER DECK CLAMP, EXTENSION AS REQUIRED.

QED-1 OVERFLOW DRAIN, "SMITH" 1080ERC, 2" WATER DAM COLLAR, SUMP RECEIVER, UNDERDECK CLAMP, EXTENSION AS REQUIRED.

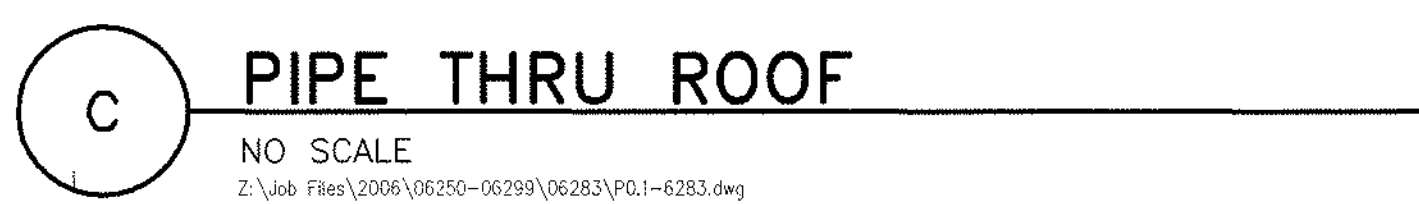
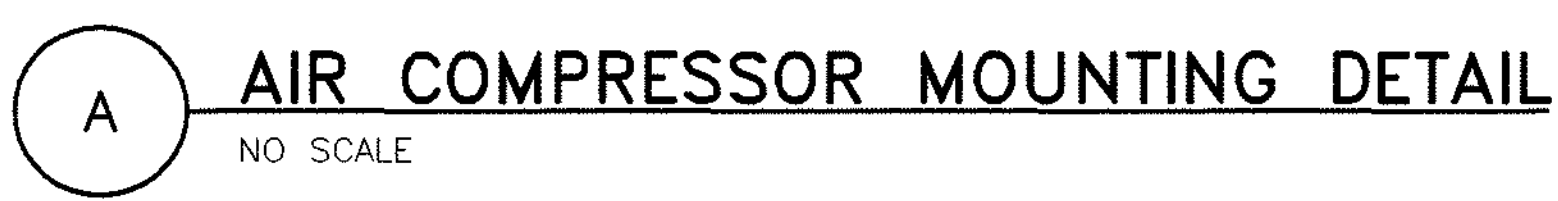
FW-1 EYE WASH "BRADLEY" MODEL #S19-2200C, STAINLESS STEEL BOWL, DUST COVER, PUSH HANDLE, WITH VALVE, AND BARRIER-FREE.

MECHANICAL AND PLUMBING EQUIPMENT SHALL CONFORM TO THE FOLLOWING AS STATED IN THE ENERGY EFFICIENCY STANDARDS, 2005.

1. BE CERTIFIED BY THE MANUFACTURER AS COMPLYING WITH THE EFFICIENCY REQUIREMENTS AS PRESCRIBED IN SECTIONS:
 111. APPLIANCES REGULATED BY THE APPLIANCE EFFICIENCY STANDARDS;
 112. HVAC EQUIPMENT EFFICIENCY AND PACKAGED CONTROLS;
 113. SERVICE WATER HEATING EFFICIENCY AND CONTROLS;
 114. POOL AND SPA HEATING EFFICIENCY AND CONTROLS;
 115. RESTRICTIONS ON PILOT LIGHTS;
2. BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH SECTIONS.
 121. REQUIREMENTS FOR VENTILATION;
 122. REQUIRED CONTROLS FOR HVAC SYSTEMS;
 123. REQUIREMENTS FOR PIPE INSULATION;
 124. REQUIREMENTS FOR DUCT INSULATION;

AIR COMPRESSOR: "INGERSOLL-RAND" MODEL T330-3C, 3hp TEFIC MOTOR, NEMA 4 STARTERS, 95 SCFM @ 100psi, 60 GALLON VERTICAL TANK, WITH D510 REFRIGERATED AIR DRYER W/ WEATHER PROOF ENCLOSURE, IRG40 FILTER, P530 OIL WATER SEPARATOR, 208 VOLT, 3PH, 60Hz, UNIT MOUNTED CONTROL PANEL, SINGLE POINT ELECTRICAL CONNECTION, WEIGHT: 490lbs.

NEUTRALIZATION TANK: "ORION" MODEL 8-4, HIGH DENSITY POLYETHYLENE RESINS, ONE PIECE MOUNTED AND SEAMLESS, WITH VENT, ADAPTERS FOR ACID PIPING SYSTEM, 18" DIAMETER X 30.5" HEIGHT, 30 GALLONS, BOLT DOWN COVER WITH GASKETING, 250lbs. LIMESTONE CHIPS, PROVIDE "SIGNAL" MODEL 5700 PH MONITOR, W/ALARM CONTROLS, 120 VOLT 1PHASE.

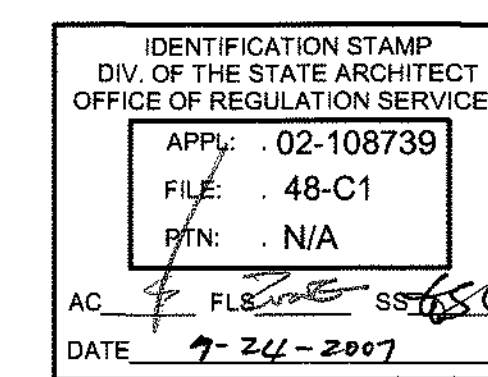
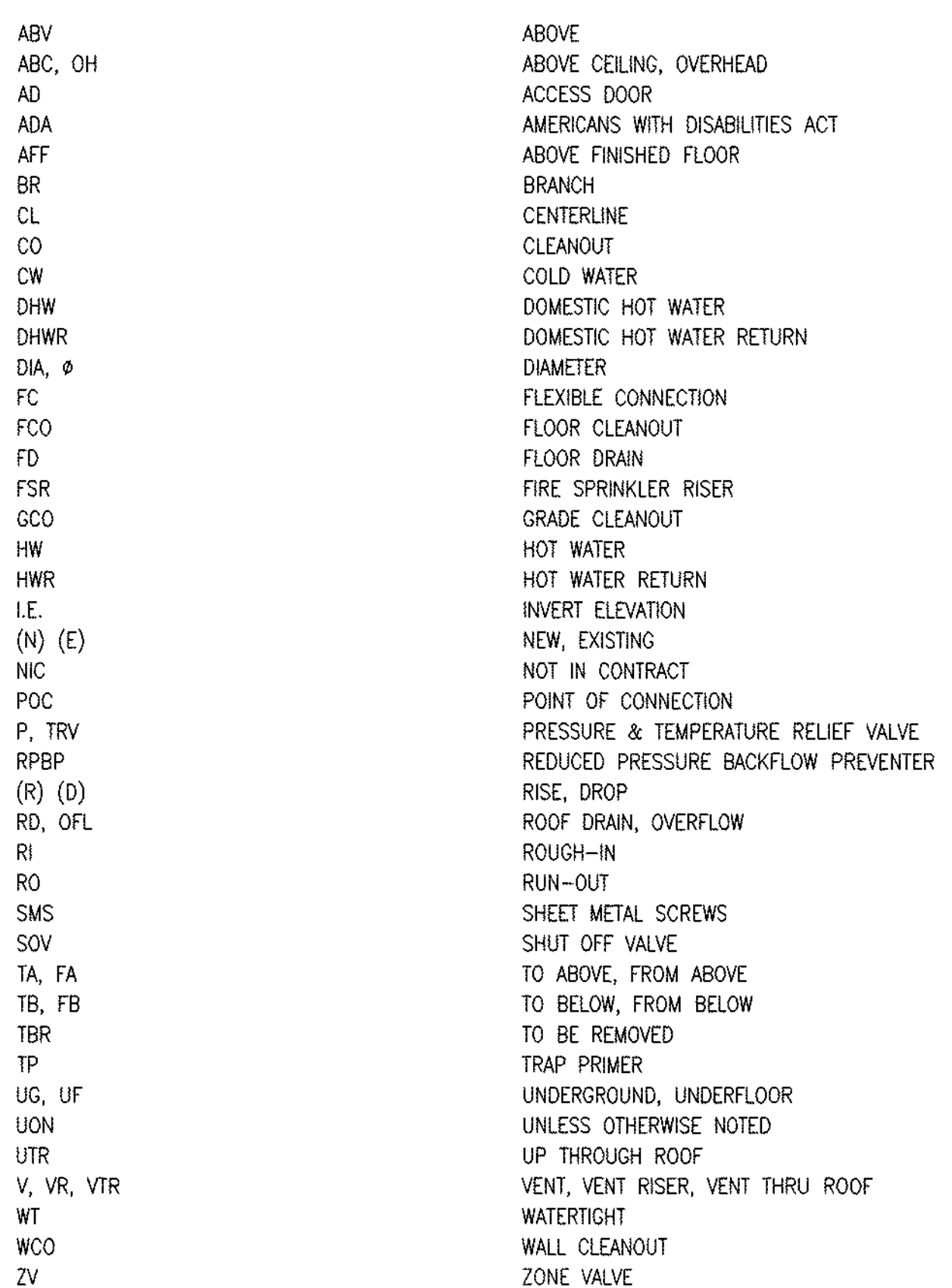
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129	TOTAL FIXTURE UNITS EQUALS	75	GPM
	IRRIGATION DEMAND	-	GPM
	HVAC DEMAND	-	GPM
	TOTAL WATER DEMAND	75	GPM
1.	PRESSURE AVAILABLE AT STREET MAIN	45	PSI
2.	PRESSURE LOSS DUE TO HEIGHT FT X .434	3.5	PSI
3.	PRESSURE LOSS THRU WATER METER	-	PSI
4.	PRESSURE LOSS THRU OTHER DEVICES (ie water softener, backflow preventer)	5	PSI
5.	TOTAL PRESSURE LOSS (add lines 2 thru 4)	8.5	PSI
6.	PRESSURE REQUIRED AT HIGHEST FIXTURE	25	PSI
7.	PRESSURE AVAILABLE FOR FRICTION LOSS (subtract lines 5 & 6 from line 1)	11.5	PSI
8.	TOTAL EQUIVALENT LENGTH OF PIPE FROM METER (DEVELOPED LENGTH X 1.5)	200	FT
	FRICTION LOSS CALCULATION		
	FROM LINE 7 $\left(\frac{11.5}{200}\right)$ PSI X 100 =	5.7	PSI/100 FT
	FROM LINE 8 $\left(\frac{200}{200}\right)$ FT		
9.	DOMESTIC WATER SERVICE SIZE REQUIRED	(E)2"	
10.	METER SIZE		
11.	SEWER	(E)4"	

FIXTURE NAME	SYMBOL	VENT	WASTE		COLD WATER		HOT WATER	
			BR	RI	BR	RI	BR	RI
FLOOR DRAIN	FD	2"	2"	2"	—	—	—	—
LAVATORY	L	1½"	2"	1½"	¾"	½"	¾"	½"
MOP SINK	MS	2"	3"	3"	¾"	½"	¾"	½"
DRINKING FOUNTAIN	DF	1½"	2"	1½"	¾"	½"	¾"	½"
SINK	S	1½"	2"	1½"	¾"	½"	¾"	½"
URINAL	UR	2"	2"	2"	1¼"	¾"	—	—
WATER CLOSET	WC	2"	4"	4"	1¼"	1"	—	—



	COLD WATER LINE
	CONDENSATE DRAIN
	FIRE SERVICE LINE
	GAS
	HOT WATER LINE
	HOT WATER RETURN
	OVERFLOW
	PIPING OR EQUIPMENT TO BE REMOVED
	RAINWATER LEADER
	RISE OR DROP IN DIRECTION OF FLOW
	SANITARY SOIL OR WASTE LINE
	SECONDARY CONDENSATE DRAIN LINE
	TRAP PRIMER LINE
	VENT
	CLEANOUT & WALL CLEANOUT
	FIRE DEPARTMENT CONNECTION
	FLOOR/ GRADE CLEAN OUT
	FLOOR DRAIN
	HOSE BIBB/ WALL HYDRANT
	TRAP
	TRAP PRIMER
	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	FLEXIBLE CONNECTION
	GATE VALVE
	SHUT OFF COCK
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	REDUCER
	PRESSURE & TEMPERATURE RELIEF VALVE
	SHUT OFF VALVE
	STRAINER
	STRAINER & DRAIN VALVE WITH HOSE FITTING
	SOLENOID VALVE
	THERMOMETER
	UNION



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Solano Community
College District
4000 Suisun Valley Road
Fairfield, California

PROJECT NUMBER:
060477.00

DATE:
March 2, 2007

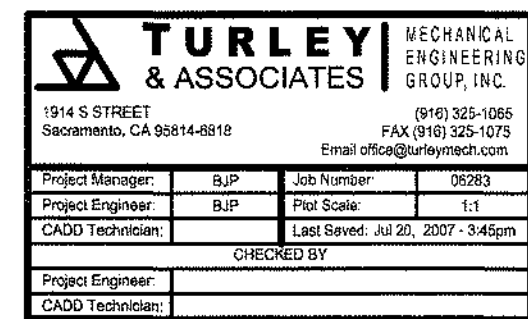
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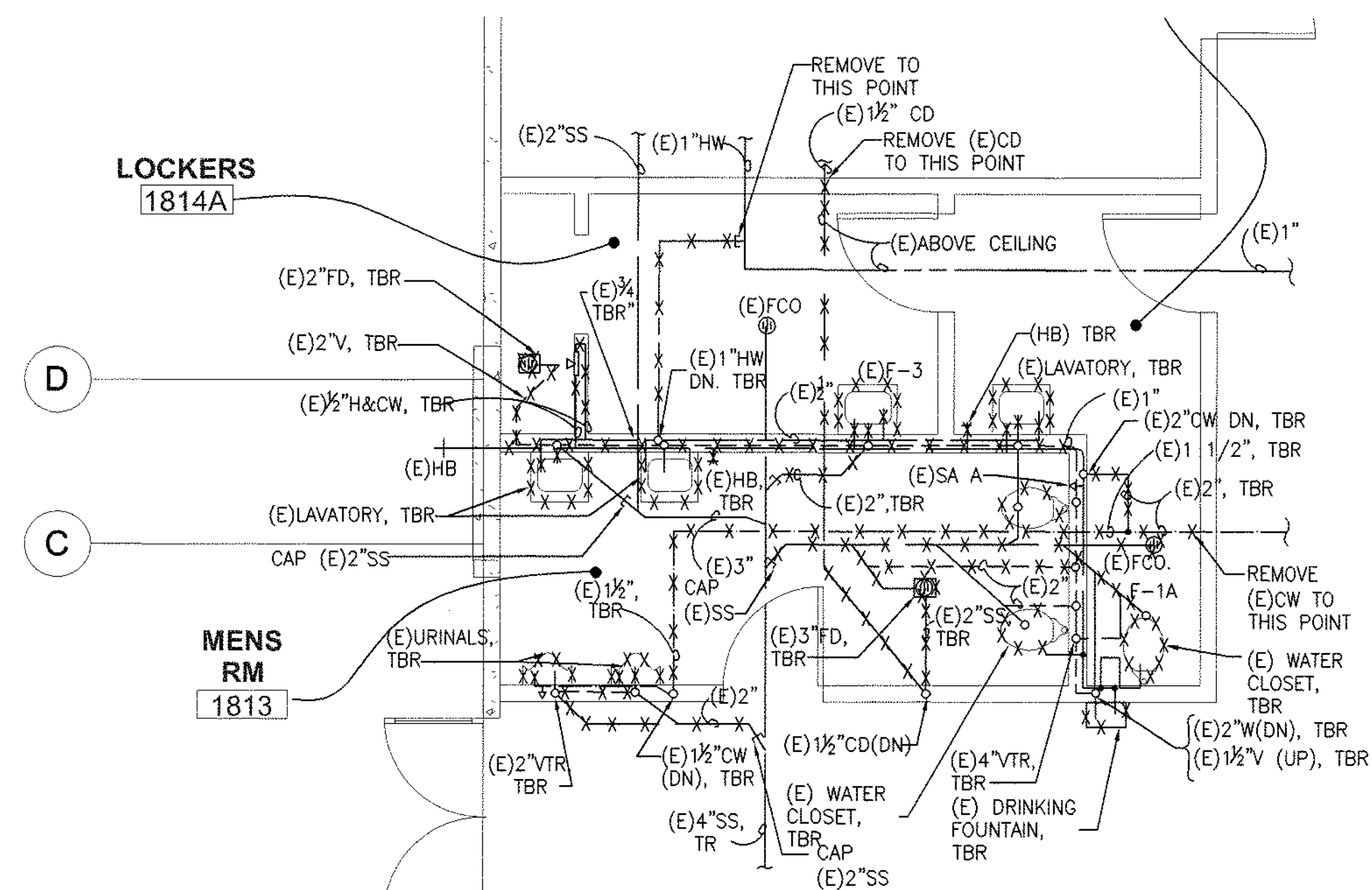
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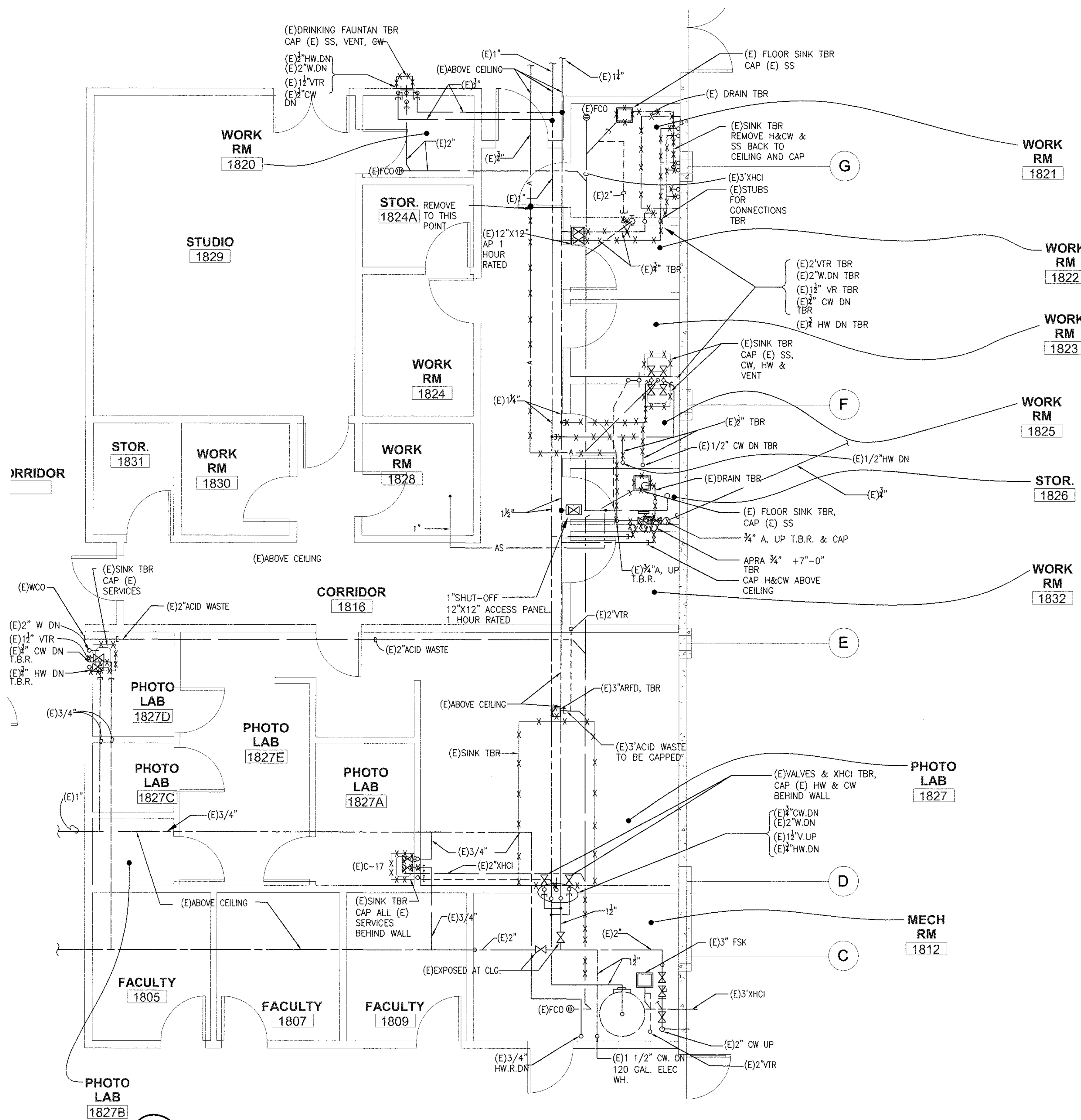
PLUMBING
LEGEND, SCHEDULES
&
NOTES

P O.1

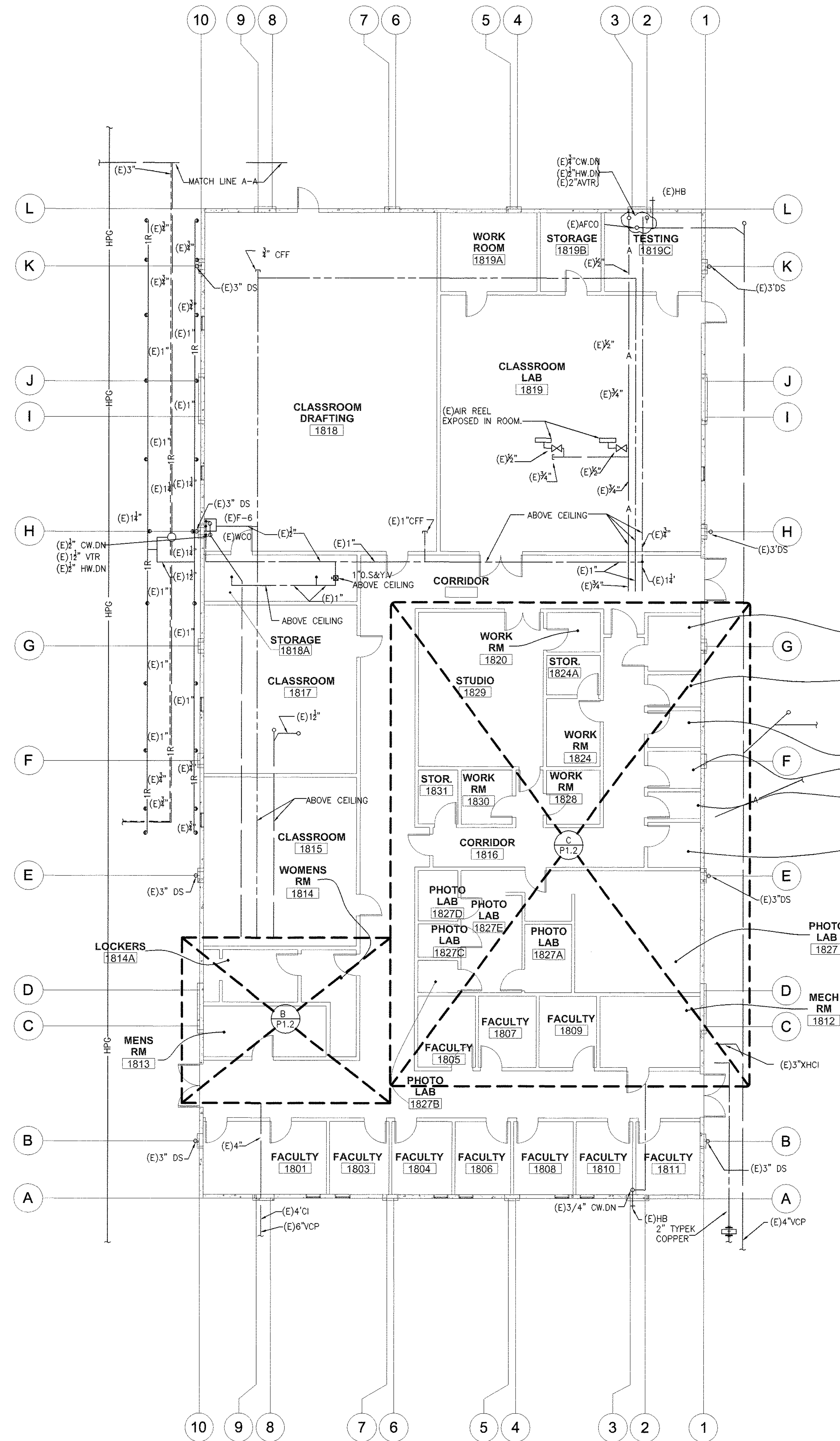




B ENLARGED MEN'S/WOMEN'S RESTROOM PLUMBING DEMOLITION
SCALE: 1/4"=1'-0"

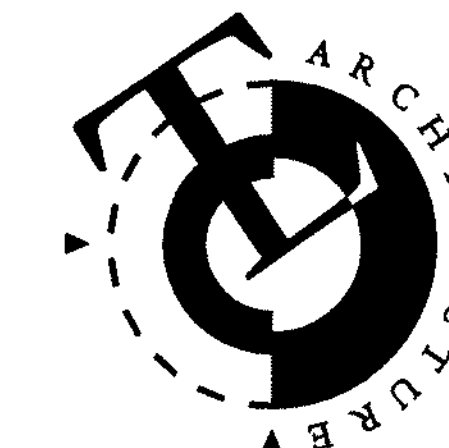


C ENLARGED PLUMBING DEMOLITION FLOOR PLAN
SCALE: 1/4"=1'-0"



A EXISTING PLUMBING DEMOLITION FLOOR PLAN
SCALE: 1/8"=1'-0"

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CADD Technician: GRC	Plot Date: 7/25/2007	CADD Technician: GRC	Plot Date: 7/25/2007
Project Engineer: GRC	Plot Date: 7/25/2007	Project Engineer: GRC	Plot Date: 7/25/2007



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IDENTIFICATION STAMP	
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APPL: 02-108739	FILE: 48-C1
FTN: N/A	
DATE: 7-24-2007	

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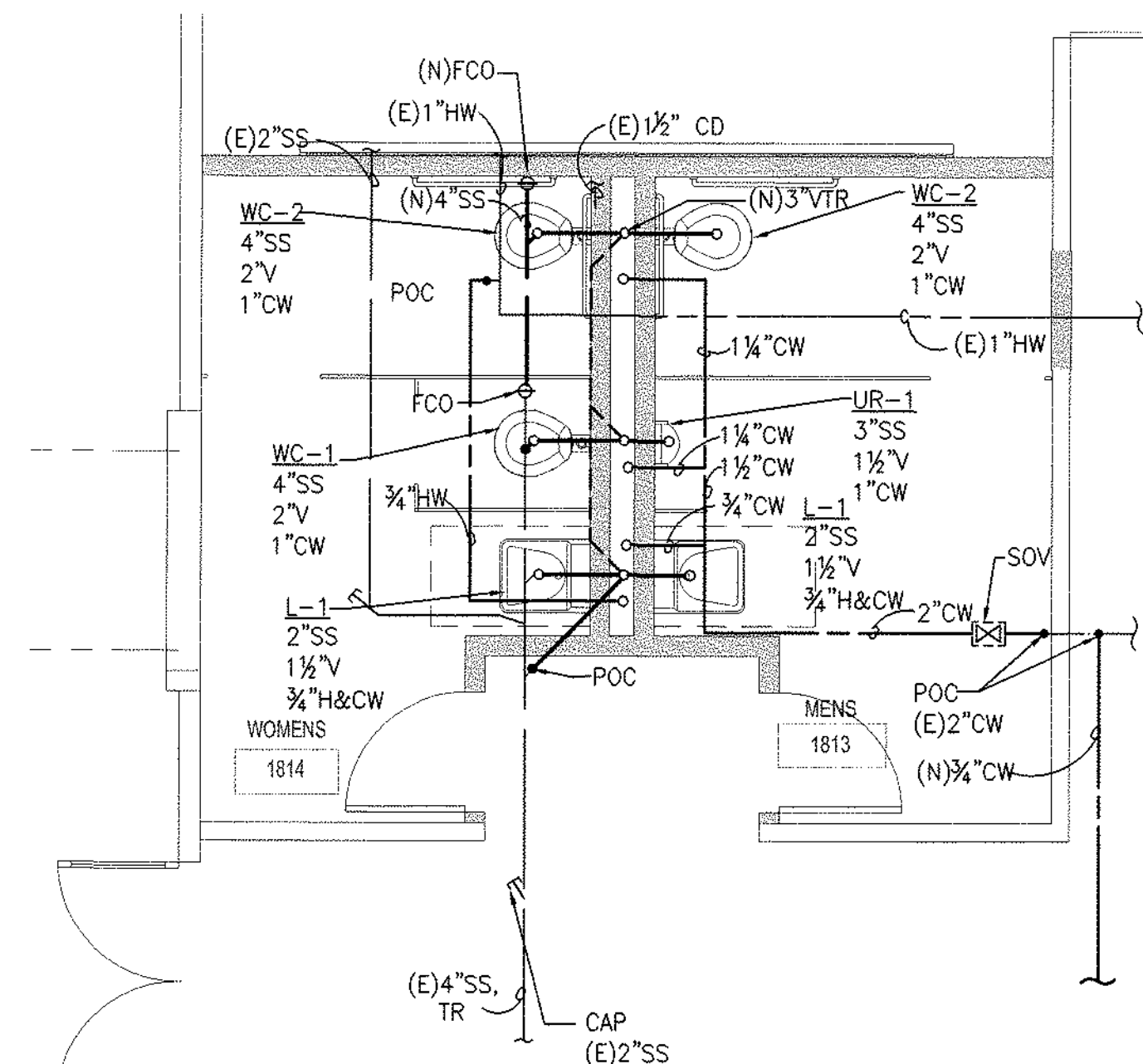
Solano Community College District
4000 Suisun Valley Road
Fairfield, California

PROJECT NUMBER: 06047.00
DATE: March 2, 2007
DRAWN BY: ---
CHECKED BY: ---
REVISIONS: ---

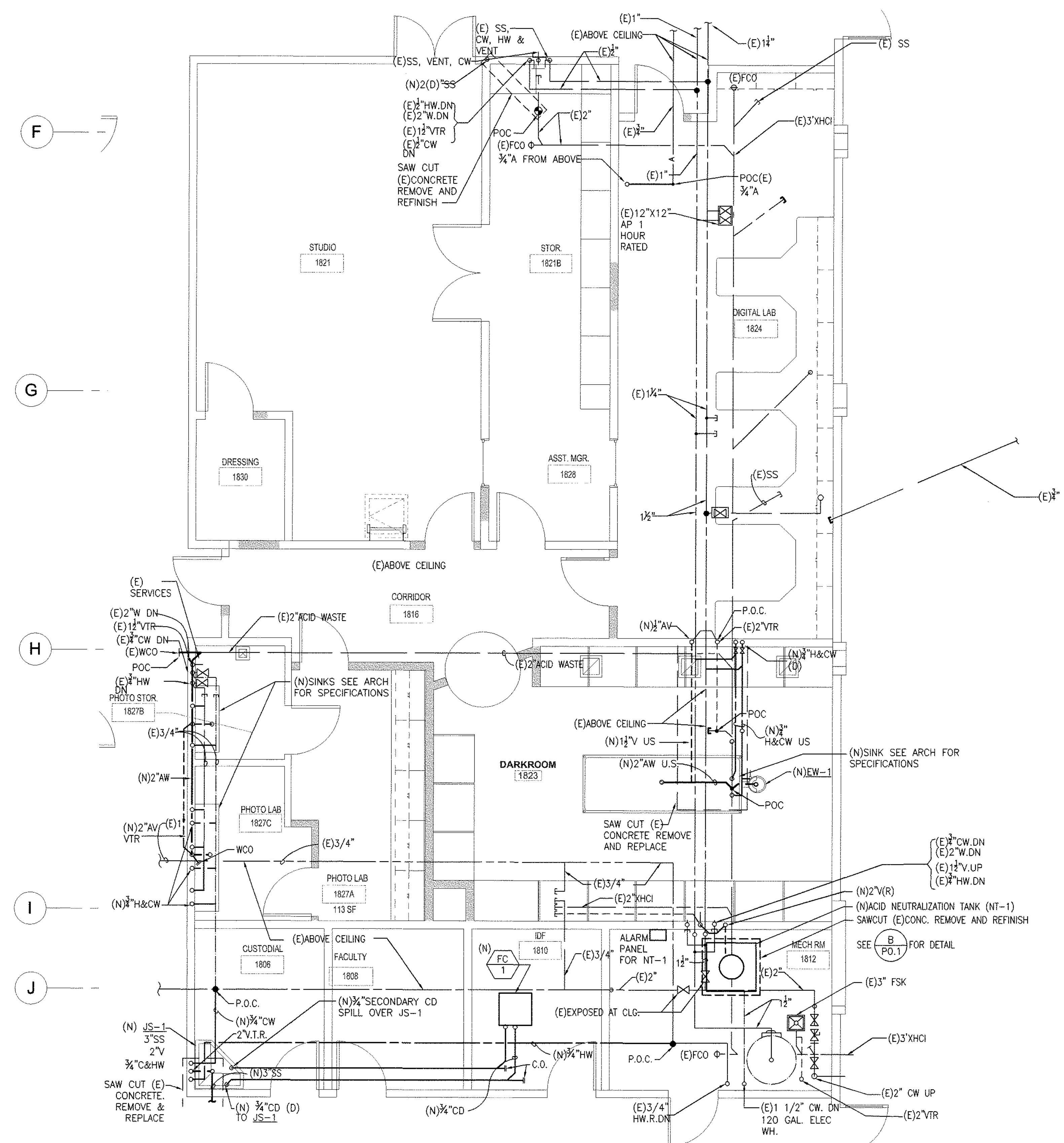
PLUMBING DEMOLITION FLOOR PLAN

SHEET
P1.2

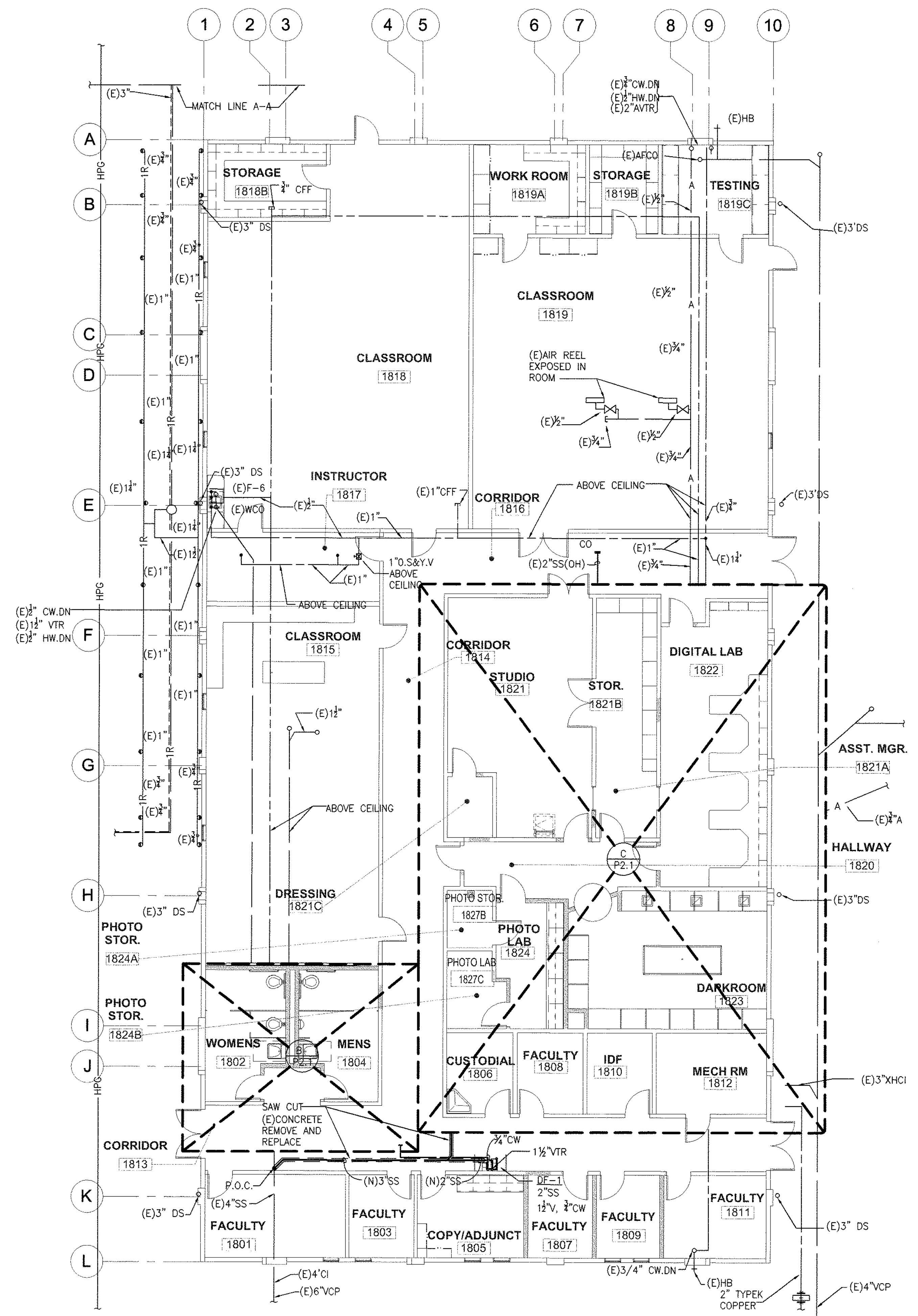
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B ENLARGED MEN'S/WOMENS RESTROOM PLUMBING
SCALE: 1/4"=1'-0"



C PLUMBING FLOOR PLAN
SCALE: 1/4"=1'-0"



A PLUMBING FLOOR PLAN
SCALE: 1/8"=1'-0"



TLCD ARCHITECTURE
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Santa Rosa, CA 95404
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OFFICE OF REGULATION SERVICES
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DATE: 7-24-2007

Solano Community College - Building 1800A
4000 Suisun Valley Road
Fairfield, California 94534

Solano Community College District
4000 Suisun Valley Road
Fairfield, California

PROJECT NUMBER: 06047-00
DATE: March 2, 2007
DRAWN BY: [Signature]
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REVISIONS:

PLUMBING FLOOR PLAN

P2.1

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Principal Engineer	10/01	Principal Engineer	10/01
Chief Designer	06	Chief Designer	06
Project Engineer	01	Project Engineer	01
Checker	01	Checker	01
Drawn By	01	Drawn By	01
Checked By	01	Checked By	01
Revised By	01	Revised By	01

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[signature]

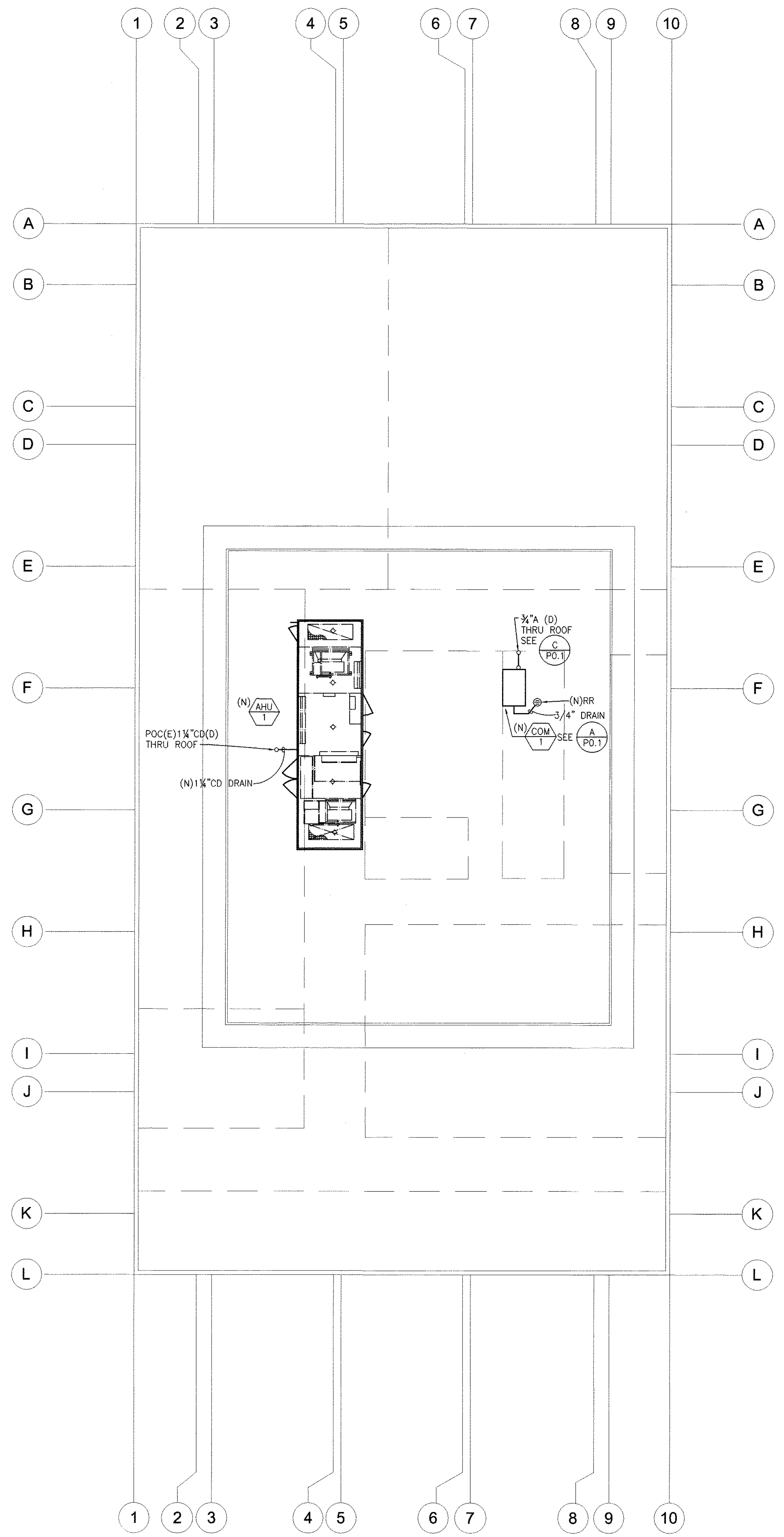
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REVISIONS:

PLUMBING
ROOF PLAN

SHEET

P 3.1



PLUMBING ROOF PLAN
SCALE 1/8"=1'-0"

**TURLEY
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Project Manager:	BJP	Job Number:	06283
Project Engineer:	BJP	Plot Scale:	1:1
CADD Technician:		Last Saved:	Jul 26, 2007 - 3:40pm
CHECKED BY			
Project Engineer:			
CADD Technician:			

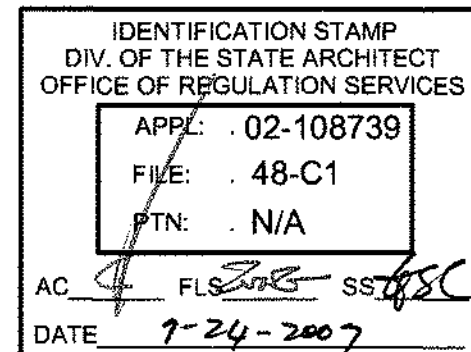


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MECHANICAL MANDATORY MEASURES Part 1 of 2 MECH-MM

PROJECT NAME: SOLANO COMMUNITY COLLEGE BUILDING 1800A DATE: 3/1/2007

Designer: Enforcement:

Equipment and Systems Efficiencies

111 Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.

115(a) Fan type central fans shall not have a pilot light.

123 Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.

124 Air handling duct systems shall be installed and insulated in compliance with Sections 601, 602, 603, 604, and 605 of the 2001 CMC Standards.

Controls

122(a) Each space conditioning system shall be installed with one of the following:

122(a)(1) Each space conditioning system serving building types such as schools and manufacturing facilities (and all others not explicitly exempt from the requirements of Section 112 (g)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends and have program backup capabilities that prevent the loss of the device's program and time setting for at least 10 hours if power is interrupted; or

122(a)(2) An occupancy sensor to control the operating period of the system; or

122(a)(3) A 4-hour timer that can be manually operated to control the operating period of the system.

122(a)(4) Each space conditioning system shall be installed with controls that temporarily retard and temporarily operate the system as required to maintain a setback heating and/or a setpoint cooling thermostat setpoint.

122(a)(5) Each space conditioning system serving multiple zones with a combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone shall not exceed 25,000 square feet; shall be provided with isolation devices, such as valves or dampers, that allow the supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.

122(a)(6) Each space conditioning system shall be controlled by an individual thermostat that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degrees F or lower. For cooling, the control shall be adjustable up to 85 degrees F or lower. Where used for both heating and cooling, the control shall be capable of providing a deadband of at least 8 degrees F within which the supply of heating and cooling is shut off or reduced to a minimum.

122(a)(7) Thermostats shall have numeric settings in degrees Fahrenheit (F) and adjustable setpoint spots accessible only to authorized personnel.

112(b) Heat pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.

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MECHANICAL EQUIPMENT DETAILS Part 2 of 2 MECH-5-C

PROJECT NAME: SOLANO COMMUNITY COLLEGE BUILDING 1800A DATE: 3/1/2007

ZONE TERMINAL SUMMARY

Zone Name	System Type	Qty	Rating	Terminal Box	Terminal Fan	Motor	Drive	Type	Output
VAV-1	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-2	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-3	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-4	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-5	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-6	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-7	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-8	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-9	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-10	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-11	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-12	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-13	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a
VAV-14	VAV Box	1	40% Hot Water	20	CFM	BHP	EFF	EFF	n/a

EXHAUST FAN SUMMARY

Room Name	Qty	CFM	BHP	Motor	Drive	Type	Output
Room Name	Qty	CFM <td>BHP<td>Motor<td>Drive<td>Type<td>Output</td></td></td></td></td>	BHP <td>Motor<td>Drive<td>Type<td>Output</td></td></td></td>	Motor <td>Drive<td>Type<td>Output</td></td></td>	Drive <td>Type<td>Output</td></td>	Type <td>Output</td>	Output

Run Initiation Time: 03/01/07 14:24:24 Run Code: 1172787864

EnergyPro 4.3 by EnergySoft User Number: User Job Number: 05083 Page 12 of 13

MECHANICAL MANDATORY MEASURES Part 2 of 2 MECH-MM

PROJECT NAME: SOLANO COMMUNITY COLLEGE BUILDING 1800A DATE: 3/1/2007

Designer: Enforcement:

Ventilation

121(a) Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified on these plans.

122(a) Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.

121(a)(1) All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.

121(a)(2) Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) Mechanical Standards (1989) or

121(a)(3) Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or

121(a)(4) Outside Air Measurement: The system shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a readily accessible display device; or

121(a)(5) Another method approved by the Commission.

Service Water Heating Systems

113(a)(1) If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.

113(a)(2) Livestore in restaurants of public facilities shall be equipped with controls to limit the outlet temperature to 110 degrees F.

EnergyPro 4.3 by EnergySoft User Number: User Job Number: 05083 Page 12 of 13

MECHANICAL EQUIPMENT DETAILS Part 1 of 2 MECH-5-C

PROJECT NAME: SOLANO COMMUNITY COLLEGE BUILDING 1800A DATE: 3/1/2007

CHILLER AND TOWER SUMMARY

Equipment Name	Equipment Type	Qty	Efficiency	Tons	Tel. Qty	CFM	BHP	Motor	Drive	Pump
CHILLER	Centrifugal	1	0.437 kWh/ton	20	CFM <td>BHP<td>EFF<td>EFF<td>EFF<td>EFF</td></td></td></td></td>	BHP <td>EFF<td>EFF<td>EFF<td>EFF</td></td></td></td>	EFF <td>EFF<td>EFF<td>EFF</td></td></td>	EFF <td>EFF<td>EFF</td></td>	EFF <td>EFF</td>	EFF
TOWER	Water	1	10 F Approach	20	CFM <td>BHP<td>EFF<td>EFF<td>EFF<td>EFF</td></td></td></td></td>	BHP <td>EFF<td>EFF<td>EFF<td>EFF</td></td></td></td>	EFF <td>EFF<td>EFF<td>EFF</td></td></td>	EFF <td>EFF<td>EFF</td></td>	EFF <td>EFF</td>	EFF

DHW / BOILER SUMMARY

System Name	System Type	Distribution Type	Qty	Rated Input	Vol. (Gals)	Condition Status	Energy Factor or RE	Standby Loss or Pilot	TANK INSUL. R-Val.
System Name	System Type	Distribution Type	Qty	Rated Input	Vol. (Gals)	Condition Status	Energy Factor or RE	Standby Loss or Pilot	TANK INSUL. R-Val.

MULTI-FAMILY CENTRAL WATER HEATING DETAILS

Control	Hot Water Pump	Hot Water Piping Length (ft)	Size (in)	Insulation
Control <td>Hot Water Pump<td>Hot Water Piping Length (ft)<td>Size (in)<td>Insulation</td></td></td></td>	Hot Water Pump <td>Hot Water Piping Length (ft)<td>Size (in)<td>Insulation</td></td></td>	Hot Water Piping Length (ft) <td>Size (in)<td>Insulation</td></td>	Size (in) <td>Insulation</td>	Insulation

CENTRAL SYSTEM RATINGS

System Name	System Type	Qty	Output	Eff. Eff.	Output	Efficiency	Condition Status	Economizer Type
GOVERNOR	Boiler	1	454,974	0.0	n/a	620,778 n/a		New DHF Temp. Integrated

CENTRAL SYSTEM FAN SUMMARY

System Name	Fan Type	Motor Location	CFM	BHP	Motor	Drive	Type	Output
GOVERNOR	Variable Speed	Draw Through	16,500	17.27	92.0%	97.0%	11,000	5.24 89.5% 97.0%

Run Initiation Time: 03/01/07 14:24:24 Run Code: 1172787864

EnergyPro 4.3 by EnergySoft User Number: User Job Number: 05083 Page 12 of 13

MECHANICAL VENTILATION MECH-3-C

PROJECT NAME: SOLANO COMMUNITY COLLEGE BUILDING 1800A DATE: 3/1/2007

MECHANICAL VENTILATION (Section 121(b)(2))

Zone/System	Area (sq ft)	Volume (cu ft)	Supply Air (cfm)	Return Air (cfm)	Supply Air (cfm)	Return Air (cfm)	Supply Air (cfm)	Return Air (cfm)	Supply Air (cfm)	Return Air (cfm)
VAV-1	1,364	0.36	524	524	524	524	524	524	524	524
VAV-2	648	0.36	245	245	245	245	245	245	245	245
VAV-3	377	0.36	143	143	143	143	143	143	143	143
VAV-4	552	0.36	210	210	210	210	210	210	210	210
VAV-5	29	0.15	44	44	44	44	44	44	44	44
VAV-6	144	0.15	22	22	22	22	22	22	22	22
VAV-7	1,586	0.36	603	603	603	603	603	603	603	603
VAV-8	22	0.15	33	33	33	33	33	33	33	33
VAV-9	586	0.36	215	215	215	215	215	215	215	215
VAV-10	132	0.15	20	20	20	20	20	20	20	20
VAV-11	175	0.36	66	66	66	66	66	66	66	66
VAV-12	396	0.36	151	151	151	151	151	151	151	151
VAV-13	35	0.15	53	53	53	53	53	53	53	53
VAV-14	17	0.15	27	27	27	27	27	27	27	27
AHU-1										
Total	2,396		2,396							

Run Initiation Time: 03/01/07 14:24:24 Run Code: 1172787864

EnergyPro 4.3 by EnergySoft User Number: User Job Number: 05083 Page 12 of 13

WATER SIDE SYSTEM REQUIREMENTS Part 2 of 2 MECH-2-C

PROJECT NAME: SOLANO COMMUNITY COLLEGE BUILDING 1800A DATE: 3/1/2007

SYSTEM FEATURES

WATER SIDE SYSTEMS: Chiller, Tower, Boiler, Hydronic Loops

ITEM OR SYSTEM TAG(S)

1 CHILLER

Number of Systems

MANDATORY MEASURES

Equipment Efficiency

112(a) 0.437 kWh/ton

Pipe Insulation

123a

PRESCRIPTIVE MEASURES

144 (a & b) n/a

144 (a & b) 25 tons

144 (a) n/a

144 (b) n/a

144 (c) n/a

144 (d) n/a

144 (e) n/a

144 (f) n/a

144 (g) n/a

144 (h) n/a

144 (i) n/a

144 (j) n/a

144 (k) n/a

144 (l) n/a

144 (m) n/a

144 (n) n/a

144 (o) n/a

144 (p) n/a

144 (q) n/a

144 (r) n/a

144 (s) n/a

144 (t) n/a

144 (u) n/a

144 (v) n/a

144 (w) n/a

144 (x) n/a

144 (y) n/a

144 (z) n/a

144 (aa) n/a

144 (ab) n/a

144 (ac) n/a

144 (ad) n/a

144 (ae) n/a

144 (af) n/a

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144 (ah) n/a

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144 (nl) n/a

144 (nm) n/a

144 (nn) n/a

144 (no) n/a

144 (np) n/a

144 (nq) n/a

144 (nr) n/a

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144 (nu) n/a

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144 (od) n/a

144 (oe) n/a

144 (of) n/a

144 (og) n/a

144 (oh) n/a

144 (oi) n/a

144 (oj) n/a

144 (ok) n/a

144 (ol) n/a

144 (om) n/a

144 (on) n/a

144 (oo) n/a

144 (op) n/a

144 (oq) n/a

144 (or) n/a

144 (os) n/a

144 (ot) n/a

144 (ou) n/a

144 (ov) n/a

144 (ov) n/a

144 (ow) n/a

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144 (oy) n/a

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144 (pv) n/a

144 (pv) n/a

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144 (px) n/a

144 (py) n/a

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144 (qd) n/a

144 (qe) n/a

144 (qf) n/a

144 (qg) n/a

144 (qh) n/a

144 (qi) n/a

144 (qj) n/a

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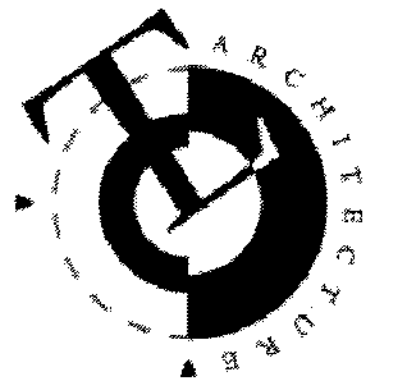
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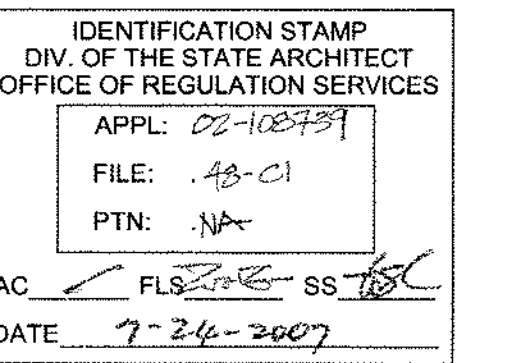
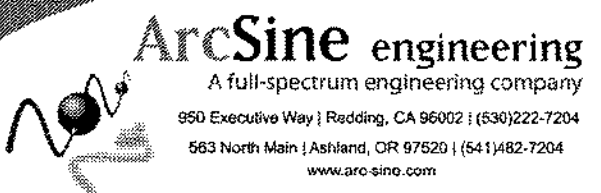
TLCD ARCHITECTURE

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SOLANO COMMUNITY
COLLEGE BUILDING
1800A
4000 SUISUN VALLEY ROAD
FAIRFIELD, CA 94534

SOLANO COMMUNITY
COLLEGE DISTRICT
4000 SUISUN VALLEY ROAD
SUISUN, CA.

PROJECT NUMBER:
00047.00
DATE:
JULY 24, 2007
DRAWN BY:
Z. RINESMITH (055271-1)
CHECKED BY:
REVISIONS:

LEGEND AND GENERAL
NOTES

E0.1

ELECTRICAL SYMBOLS

	FIXTURE IDENTIFICATION (REFER TO LIGHTING FIXTURE SCHEDULE) NUMBER OF FIXTURES IN THIS GROUP		CLOCK		DOOR BUZZER
	CEILING-MOUNTED FIXTURE		SPEAKER		MICROPHONE RECEPTACLE
	WALL-MOUNTED FIXTURE		FIRE ALARM PULL STATION		FIRE ALARM HORN
	POLE-MOUNTED FIXTURE		SECTION OR DETAIL DESIGNATION (LETTER DESIGNATES SECTION, NUMBER DESIGNATES DETAIL) SHEET WHERE SECTION OR DETAIL IS TAKEN OR SHOWN		
	EXIT LIGHT	—————	CONDUIT EXPOSED	-----	CONDUIT EMBEDDED OR BURIED
	FLUORESCENT FIXTURE	-----	BOUNDARY LINE		
	FAN/LIGHT COMBO	→ A-1	HOMERUN - DESTINATION & CIRCUIT INDICATED		
	WALL SWITCH (SINGLE POLE)	1 1/4"C-3#2+6G	LEADER SHOWS CONDUIT & CONDUCTOR SIZE		
	GROUPED WALL SWITCHES, WIRING AS REQUIRED	2[3"C-3#350KCMIL]	2 REPRESENTS THE NUMBER OF PARALLEL FEEDERS		
	SMALL LETTER SUBSCRIPT ON SWITCH & FIXTURE INDICATES SWITCHING NL = NIGHT LIGHT NBX=LUTRON BUS SUPPLY SEE DIAGRAM DWG E3.0	///	CROSSHATCHES ON CONDUIT RUNS INDICATE NUMBER OF AWG #12 WIRES	///	CROSSHATCHES WITH BARS INDICATE NUMBER OF AWG #10 WIRES
	EMERGENCY LIGHT	///G	SUBSCRIPT "G" INDICATES GREEN GROUND WIRE	—○—	CONDUIT, STUBBED & CAPPED
	LOW VOLTAGE/SMART SWITCH SEE WALL STATION DIAGRAM DWG E3.0	—○—	CONDUIT, STUBBED UP & CAPPED	—○—	CONDUIT, UP
	THREE-WAY SWITCH	—○—	CONDUIT, DOWN	—F—	FIRE ALARM SYSTEM
	FOUR-WAY SWITCH	—S—	SOUND SYSTEM	—TV—	TELEVISION SYSTEM
	MANUAL MOTOR STARTER	—M—	MICROPHONE		
	OCCUPANCY SENSOR WALL SWITCH WITH HARD LENS, WAIT STOPPER WA-100 OR EQUAL. INITIAL SETTINGS: AUTO, ON 15MIN. DELAY, OFF	(MS)	MOTORIZED SCREEN = (U)+(U)1"C-EMPTY/PULLTAPE ROUTED TO ACCESSIBLE SPACE ABOVE CEILING) COORDINATE WITH SCHOOL FOR EXACT LOCATION.	(PS)	PROJECTOR STATION = (U)+(U)1"C-EMPTY/PULLTAPE ROUTED TO ACCESSIBLE SPACE ABOVE CEILING) COORDINATE WITH SCHOOL FOR EXACT LOCATION.
	OCCUPANCY SENSOR (CEILING MOUNT)	(SP)	SMART PANEL = SEE DETAIL "G" SHEET E4.0.		
	FLOOR MOUNTED RECEPTACLE	—	GROUND		
	DUPLEX CONVENIENCE RECEPTACLE	(5)	MOTOR, HORSEPOWER INDICATED ("F" INDICATES FRACTIONAL HORSEPOWER).		
	GFCI PROTECTED DUPLEX CONVENIENCE RECEPTACLE MOUNTED @ 42" AFF	—	FUSE		
	1/2 SWITCHED DUPLEX RECEPTACLE	—	SAFETY SWITCH (DISCONNECT SWITCH)		
	4-PLEX RECEPTACLE	—	CIRCUIT BREAKER & SIZE, SINGLE-POLE UNLESS NOTED OTHERWISE /2 = 2 POLE /3 = 3 POLE		
	240/208V CONVENIENCE RECEPTACLE	50/2	TRANSFORMER		
	FLOOR MOUNTED JUNCTION BOX				
	JUNCTION BOX				
	FAN				
	TELEPHONE OUTLET, 4"x4" WALL BOX, 2"x4" MUD RING 3/4" CONDUIT ROUTED ABOVE TOP PLATE OF WALL IN EXPOSED PORTION OF CEILING. PROVIDE A PULL STRING WITH BLANK COVER PLATE. DATA & PHONE CABLEING TO BE PROVIDED & INSTALLED BY SOLANO COMMUNITY COLLEGE.				
	DATA/VOICE COMBINATION OUTLET, 4"x4" WALL BOX, 2"x4" MUD RING 3/4" CONDUIT ROUTED ABOVE TOP PLATE OF WALL IN EXPOSED PORTION OF CEILING. PROVIDE A PULL STRING WITH BLANK COVER PLATE. DATA & PHONE CABLEING TO BE PROVIDED & INSTALLED BY SOLANO COMMUNITY COLLEGE.				
	DATA OUTLET, 4"x4" WALL BOX, 2"x4" MUD RING 3/4" CONDUIT ROUTED ABOVE TOP PLATE OF WALL IN EXPOSED PORTION OF CEILING. PROVIDE A PULL STRING WITH BLANK COVER PLATE. DATA & PHONE CABLEING TO BE PROVIDED & INSTALLED BY SOLANO COMMUNITY COLLEGE.				
	SAFETY SWITCH, THREE-POLE, NEMA 3R ENCLOSURE F INDICATES FUSED DISCONNECT B INDICATES CIRCUIT BREAKER				
	SMOKE DETECTOR, HARD WIRED WITH BATTERY BACKUP				
	THERMOSTAT				
	GROUND ROD				
	PUSH BUTTON				
	CATV OUTLET, 4"x4" WALL BOX, 2"x4" MUDRING, 3/4" CONDUIT ROUTED ABOVE TOP PLATE OF WALL IN EXPOSED PORTION OF CEILING. PROVIDE A PULL STRING WITH BLANK COVER PLATE. TELEVISION CABLEING TO BE PROVIDED AND INSTALLED BY SOLANO COMMUNITY COLLEGE.				

ABBREVIATIONS

A	AMP(S)	GFR	GROUND FAULT RELAY	OL	OVERLOAD
AFCI	ARC FAULT CIRCUIT INTERRUPTER	GRS	GALVANIZED RIGID STEEL CONDUIT	PB	PULL BOX
AFF	ABOVE FINISHED FLOOR	HP	HORSEPOWER	PC	PHOTOCELL
AIC	AMPS INTERRUPTING CAPACITY	HZ	HERTZ	PNL	PANEL, PANELBOARD
AL	ALUMINUM	IDF	INTERMEDIATE DISTRIBUTION FRAME	PVC	POLYVINYL CHLORIDE CONDUIT
AWG	AMERICAN WIRE GAUGE	IMC	INTERMEDIATE METAL CONDUIT	RECEPT	RECEPTACLE
C	CONDUIT	KCMIL	THOUSAND CIRCULAR MILS	SBC	SOUTHERN BELL COMMUNICATIONS
CATV	CABLE TELEVISION	KW	KILOWATT	SWGR	SWITCHGEAR
CEC	CALIFORNIA ELECTRICAL CODE	MAX	MAXIMUM	TSP	TWISTED SHIELDED PAIR
CU	COPPER	MIN	MINIMUM	TST	TWISTED SHIELDED TRIAD
DC	DIRECT CURRENT	MPOE	MAIN POINT OF ENTRY	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
EMT	ELECTRICAL METALLIC TUBING	N	NEUTRAL	TYP	TYPICAL
EXST.(E)	EXISTING	N/A	NOT APPLICABLE	V	VOLT(S)
G	GROUND	NL	NIGHT LIGHT	WP	WEATHERPROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTER (PERSONNEL)	NEC	NATIONAL ELECTRICAL CODE	XFMP	TRANSFORMER
GFP	GROUND FAULT PROTECTION (EQUIPMENT)	NTS	NOT TO SCALE		

SCOPE OF WORK

THIS SET OF DRAWINGS COVERS DESIGN OF A MODERNIZATION FOR BUILDING 1800A OF SOLANO COMMUNITY COLLEGE, LOCATED IN SUISUN, CALIFORNIA. AS A BASIS FOR DESIGN ORIGINAL CONTRACT DOCUMENTATION WAS USED TO OBTAIN POWER DISTRIBUTION AND LIGHTING INFORMATION. THE PROJECT CONSISTS OF THE FOLLOWING:

- CONTRACTOR FIELD VERIFICATION OF EXISTING CONDITIONS
- LIGHTING UPGRADES INCLUDING LUTRON ECO-SYSTEM LIGHTING CONTROL SYSTEM (NOTE 3)
- POWER DISTRIBUTION AND LIGHTING FOR REMODELED AREAS
- INSTALLATION OF EMPTY RACEWAYS FOR DATA AND PHONE
- RELOCATION OF TELEPHONE BACKBOARD
- RELOCATION OF SOME EXISTING DISTRIBUTION PANELS
- HVAC EQUIPMENT AND EXHAUST FANS WILL REMAIN
- ALL DATA AND TELEPHONE CABLING INCLUDING IDF EQUIPMENT WILL BE PROVIDED AND INSTALLED BY SOLANO COMMUNITY COLLEGE PERSONNEL.
- INSTALLATION OF A NEW BUILDING SERVICE PANEL & FEEDER
- INSTALLATION OF NEW POWER DISTRIBUTION PANELS
- DEMOLITION (REFER TO DEMOLITION DRAWINGS)

GENERAL NOTES:

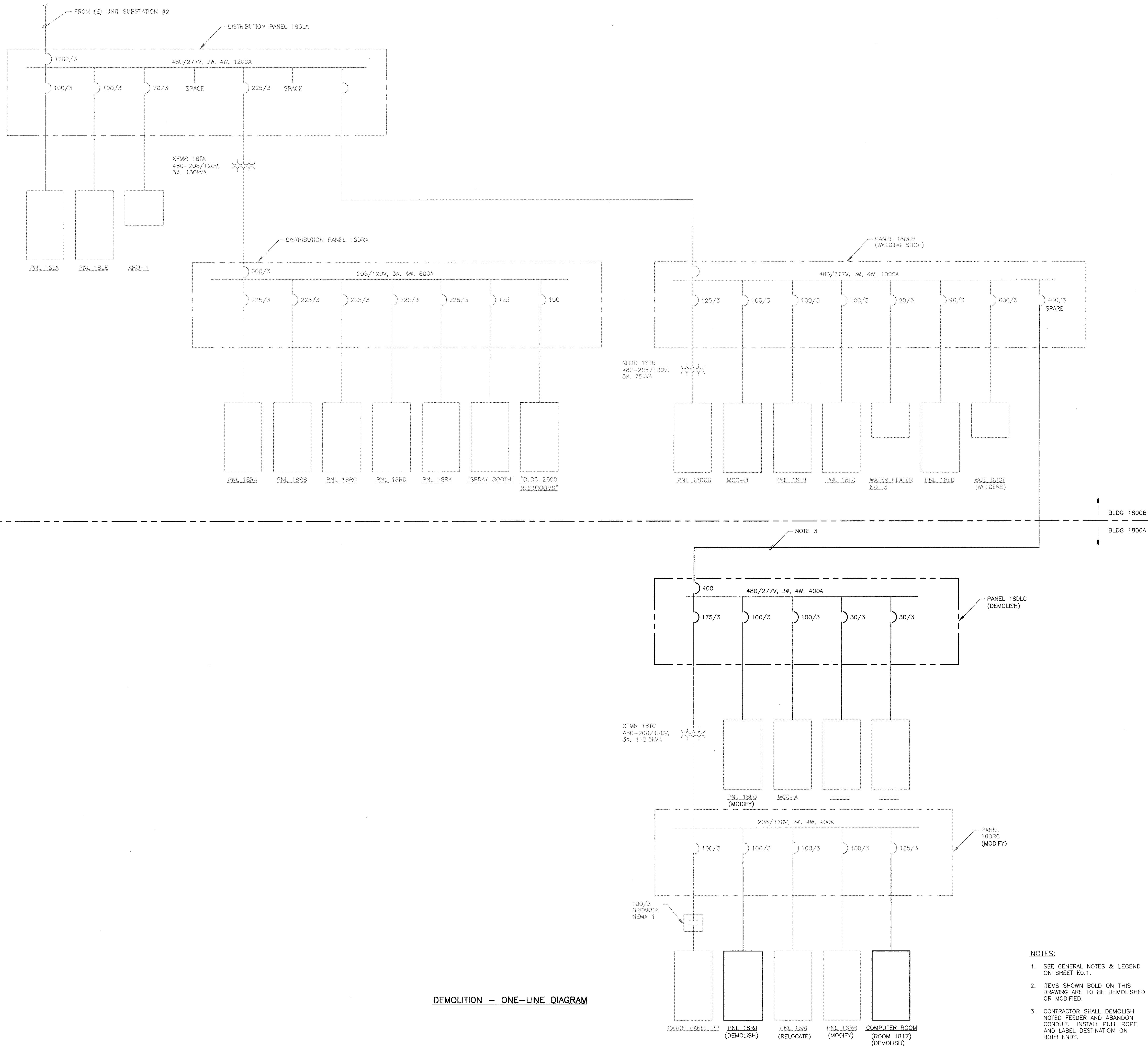
- SEE ELECTRICAL SPECIFICATIONS.
- UNLESS NOTED OTHERWISE, MOUNT RECEPTACLES AT 18 INCHES AND SWITCHES AT 42 INCHES ABOVE THE FLOOR. CONTRACTOR SHALL COORDINATE ALL RECEPTACLE LOCATIONS WITH ASSOCIATED CABINENTRY AND WORK PLANE HEIGHTS. RECEPTACLES SHALL BE SPECIFICATION GRADE.
- LUTRON "ECO-SYSTEM" LIGHTING CONTROL SYSTEM INCORPORATES DIGITAL BALLASTS LOCATED AT EACH FIXTURE. THE BALLASTS ARE NETWORKED USING A DIGITAL BUS. THIS ELIMINATES THE NEED OF HOMERUN CONTROL CIRCUITS BACK TO THE LCP. EACH LIGHT FIXTURE WILL BE PROVIDED A BRANCH CIRCUIT FROM A NEARBY DISTRIBUTION PANEL. PLEASE BID ACCORDINGLY. FOR FURTHER DETAILS CONTACT STEVE ELSWORTH WITH ALR AT 510-638-3800 EXT. 161.
- RECEPTACLES AND JUNCTION BOXES FOR DEDICATED USES ARE SHOWN IN APPROXIMATE LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIERS AND ARCHITECT FOR EXACT LOCATIONS.
- NOTE NOT USED.
- WIRING FOR ELECTRICAL DEVICES IS NOT SHOWN ON THESE PLANS. INSTEAD, ELECTRICAL DEVICES IN EACH ROOM ARE TAGGED WITH THE SOURCE PANELBOARD AND CIRCUIT NUMBER THAT FEEDS THE DEVICE IN THAT ROOM.
- ELECTRICAL BOXES LOCATED IN 1HR FIRE RATED WALLS SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA, AND SHALL BE OFFSET 24" HORIZONTALLY.
- THE CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO: DIMENSIONS, EQUIPMENT, STRUCTURAL ELEMENTS & MATERIALS INDICATED AS EXISTING. CONTRACTOR SHALL ALSO COORDINATE AMONG DISCIPLINES AND EQUIPMENT SUPPLIERS FOR INSTALLATION OF ALL MATERIALS & EQUIPMENT, ETC.
- THIS IS A STANDARD LEGEND SHEET. THEREFORE, SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT ON THE PLANS.
- ITEMS SHOWN BOLD ON THESE DRAWINGS REPRESENT WORK THAT IS PART OF THIS CONTRACT. BOLD TEXT ASSOCIATED WITH EQUIPMENT SHOWN AS THIN DESCRIBES WORK TO BE PERFORMED ON THE EQUIPMENT AS PART OF THE CONTRACT.

LIGHT FIXTURE SCHEDULE

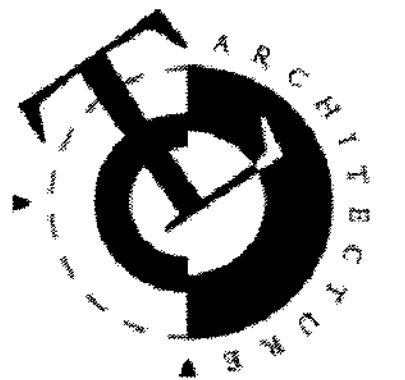
FIXTURE TYPE	DESCRIPTION	COLOR	MANUFACTURER	MODEL #	QUANTITY LAMPING	VOLTAGE BALLAST	TITLE 24 WATTS	CALCULATED VA INCL. BALLAST	BALLAST NOTE 1	REFERENCE DETAIL	MOUNTING WEIGHT
A	FLUORESCENT, LAY-IN 2'X4', GLARE FREE REFRACTOR	WHITE	COLUMBIA LIGHTING, OR EQUAL	BR24-2	(2) 54TSHO	277V	117W	119.1VA	(1)LUTRON EC5-T524-J277-2	"A" DWG E4.0	30lbs
B	INCANDESCENT, TRACK MOUNT, INJECTION MOLDED HIGH STRENGTH POLYMER, 8" TRACK	WHITE	RUID LIGHTING, OR EQUAL	TLPL4R	(4)PAR20 50W	120V	216W	216VA	NA	"B" DWG E4.0	10lbs
E	FLUORESCENT, SURFACE MOUNT, 2'X2', GLARE FREE REFRACTOR	WHITE	COLUMBIA LIGHTING, OR EQUAL	BR22-2	(2) 24TSHO	277V	52W	52.9VA	(1)LUTRON EC5-T524-J277-2	"A" DWG E4.0	30lbs
F	FLUORESCENT, SURFACE MOUNT 1'X4', WRAP AROUND PRISMATIC LENS	WHITE	DAYBRITE, OR EQUAL	CAN	(2) 54TSHO	277V	117W	119.1VA	(1)LUTRON EC5-T564-J277-2	"C" DWG E4.0	3lbs
X	EXIT SIGNAGE A.C ONLY FOR USE WITH AN INVERTER, GREEN LED LAMP	WHITE	COOPER, OR EQUAL	SURE-LITES LPX SERIES	LED	277V	NA	11VA	NA	"K" DWG E4.0	4lbs
X2	LOW LEVEL, EXIT SIGN, VANDAL RESISTANT, ALUMINUM FRAME, POLYCARBONATE FACE SHIELD, SELF LUMINOUS TRITIUM	BLACK	SIGNITEX, OR EQUAL	BMA201GB	NA	NA	NA	NA	NA	"K" DWG E4.0	4lbs
NOTES: 1. CONTRACTOR SHALL PROVIDE BALLASTS AS NOTED. THE SPECIFIED LIGHTING SYSTEM REQUIRES SPECIFIC BALLASTS & CONTROL MODULES.											

DRAWING LIST

E0.1	LEGEND AND GENERAL NOTES
E0.20	ONE-LINE DIAGRAM - DEMOLITION
E0.2	ONE-LINE DIAGRAM
E0.3	PANEL SCHEDULES & LOAD CALCULATIONS
E1.0	SITE PLAN
E2.00	BUILDING POWER PLAN - DEMOLITION
E2.0	BUILDING POWER PLAN
E3.00	BUILDING LIGHTING PLAN - DEMOLITION
E3.0	BUILDING LIGHTING PLAN
E4.0	DETAILS
E5.0	TITLE 24 LIGHTING COMPLIANCE
E6.0	PHOTOMETRIC PLOT



- NOTES:
- SEE GENERAL NOTES & LEGEND ON SHEET E0.1.
 - ITEMS SHOWN BOLD ON THIS DRAWING ARE TO BE DEMOLISHED OR MODIFIED.
 - CONTRACTOR SHALL DEMOLISH NOTED FEEDER AND ABANDON CONDUIT. INSTALL PULL ROPE AND LABEL DESTINATION ON BOTH ENDS.



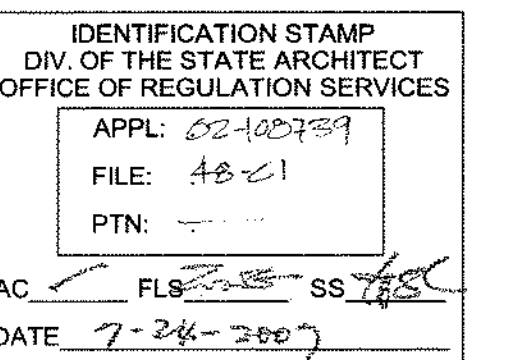
TLCD ARCHITECTURE

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SOLANO COMMUNITY
COLLEGE BUILDING
1800A

4000 SUISUN VALLEY ROAD
FAIRFIELD, CA 94534

SOLANO COMMUNITY
COLLEGE DISTRICT
4000 SUISUN VALLEY ROAD
SUISUN, CA.

PROJECT NUMBER
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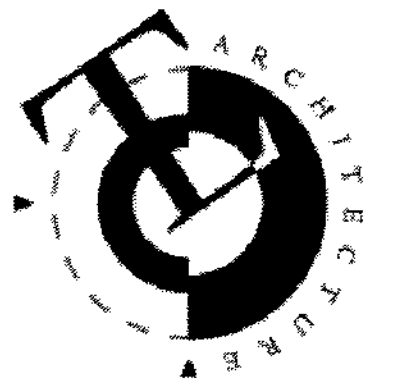
DRAWN BY
Z. RINESMITH (065211-2)

CHECKED BY:

REVISIONS:

ONE-LINE DIAGRAM-
DEMOLITION

E0.2D



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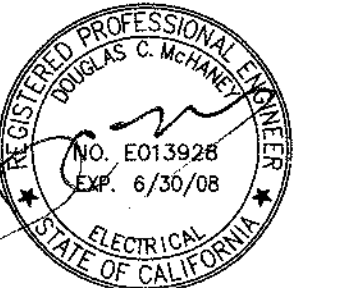
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AC: FLS-2007 SS: 7/24/07
DATE: 7-24-2007

SOLANO COMMUNITY
COLLEGE BUILDING
1800A

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FAIRFIELD, CA 94534

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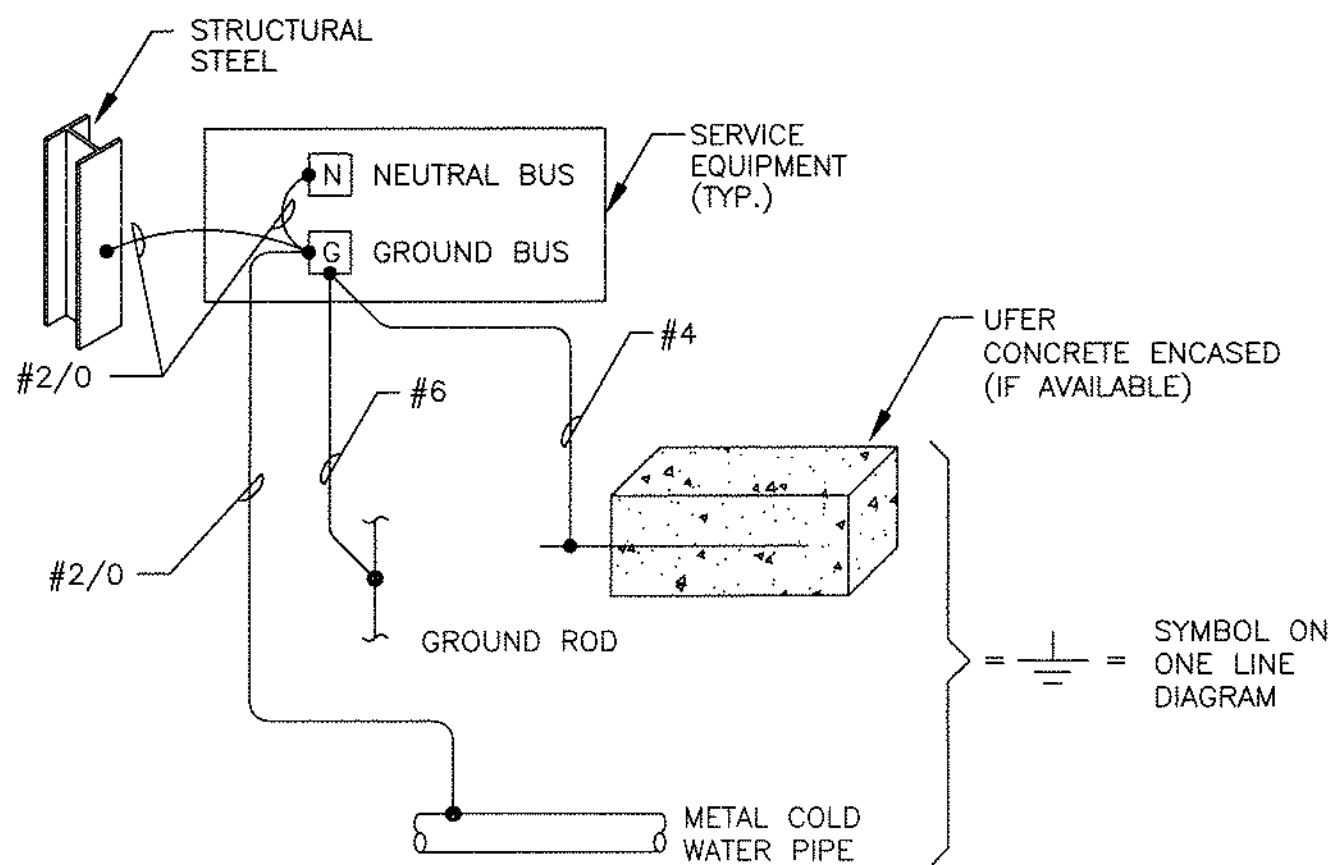
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REVISIONS

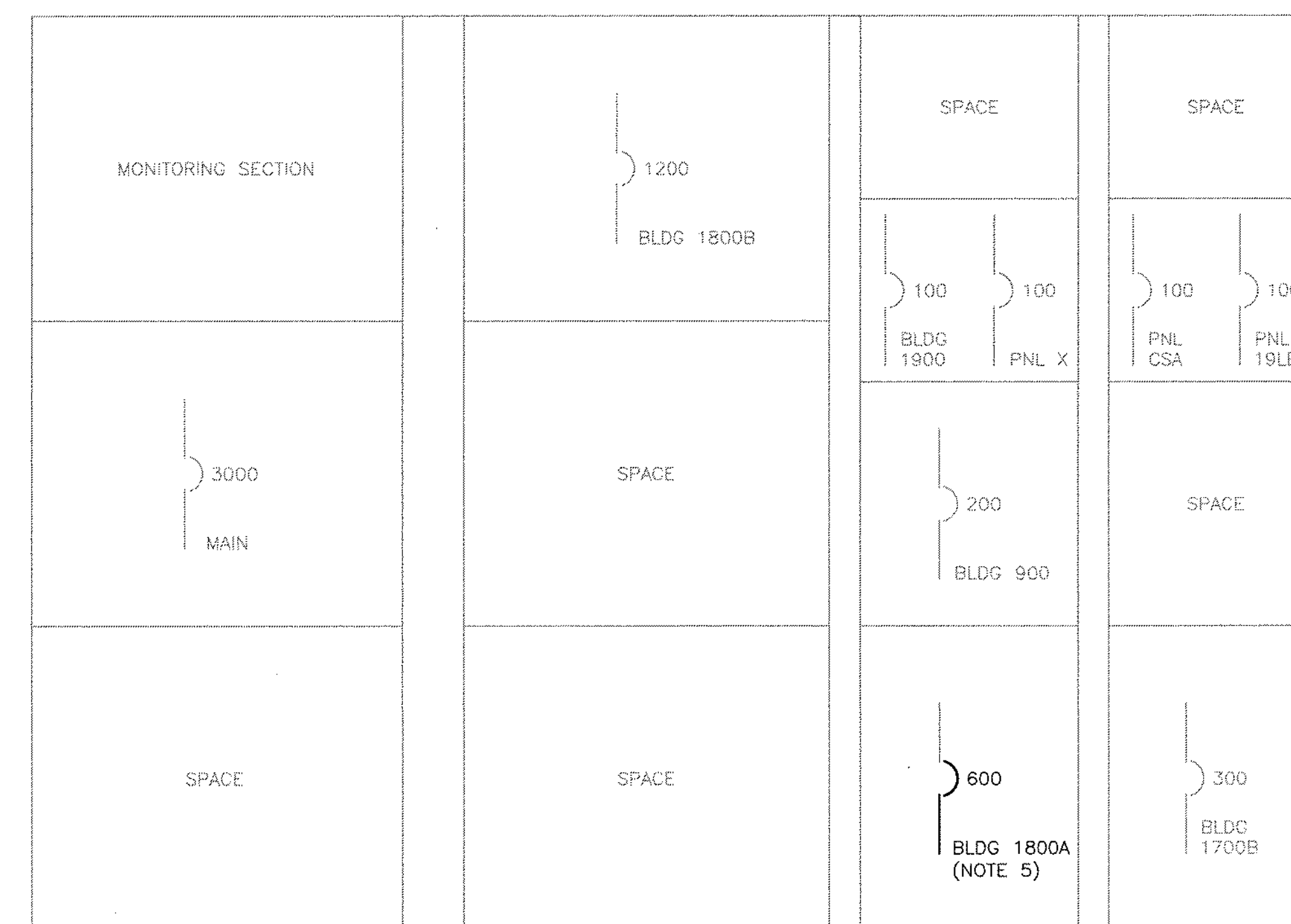
ONE-LINE DIAGRAM

E0.2

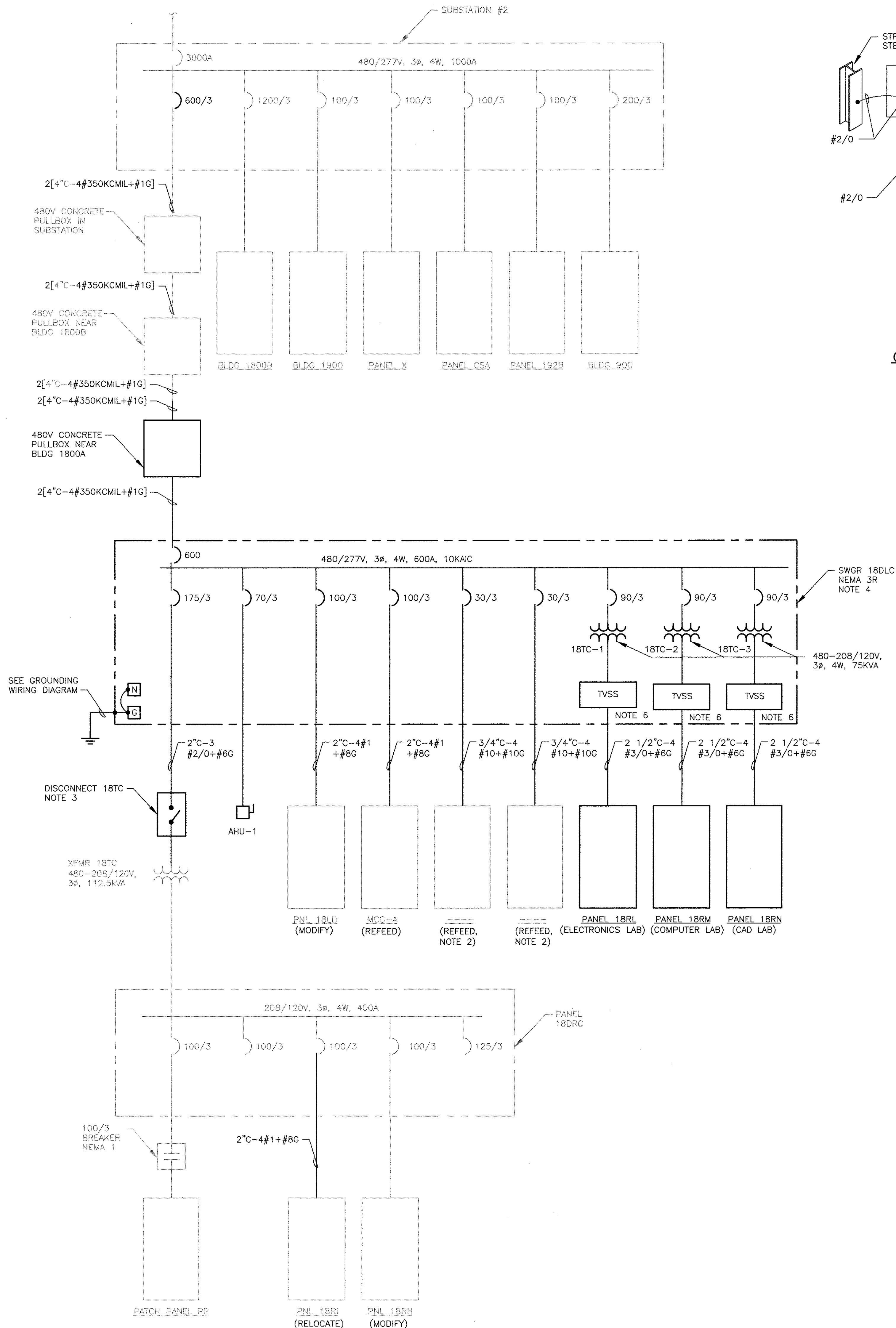
LOAD SUMMARY						
GIVEN:						
- BUILDING 1800A IS FED FROM SUBSTATION #2						
- AREA OF 1800A = 9660 SF						
- 480/277V, 3 PH, 4 W						
- EXISTING LOAD INFORMATION WAS OBTAINED FROM ORIGINAL CONTRACT DOCUMENTS DATED JANUARY, 1972.						
BUILDING 1800A						
GENERAL (208/120V)						LOADS
LIGHTING (CONTINUOUS) @						28980 VA
RECEPTACLES						17460 VA
MECHANICAL (208/120V)						
* EXHAUST FAN EF-1	1/4	5.8	120	1	1 @ 696 VA EA	696 VA
* EXHAUST FAN EF-2	1/3	7.2	120	1	1 @ 864 VA EA	864 VA
* EXHAUST FAN EF-4	1/4	5.8	120	1	1 @ 696 VA EA	696 VA
* EXHAUST FAN EF-5	1/6	4.4	120	1	1 @ 528 VA EA	528 VA
* EXHAUST FAN EF-6	1/4	5.8	120	1	1 @ 696 VA EA	696 VA
* EXHAUST FAN EF-7	1/4	5.8	120	1	1 @ 696 VA EA	696 VA
* DRINKING FOUNTAIN DF-1	1/4	5.0	120	1	1 @ 600 VA EA	600 VA
* RECIRC PUMP	1/6	4.4	120	1	1 @ 528 VA EA	528 VA
EXISTING EQUIPMENT (208/120V)						
* KILN		32	208	1	1 @ 6656 VA EA	6656 VA
* DRYER ROOM 1824		16	208	1	1 @ 3328 VA EA	3328 VA
* ILFORD PRINT PROCESSOR		20	208	1	1 @ 4160 VA EA	4160 VA
(10) COMPUTERS DIGITAL LAB		8	120	1	1 @ 960 VA EA	960 VA
208/120V SUBTOTAL						66848 VA
208V NEW LOADS						
* ELECTRONICS LAB			208	3		71968 VA
* COMPUTER LAB			208	3		71968 VA
* COMPUTER AID DESIGN LAB			208	3		71968 VA
CU-1		11.8	208	1	1 @ 2454 VA EA	2454.4 VA
FC-1		0.6	208	1	1 @ 124.8 VA EA	124.8 VA
COM-1 COMPRESSOR	3.0	10.6	208	3	1 @ 3814 VA EA	3814 VA
NEW LOAD SUBTOTAL						222298 VA
480V EXISTING LOADS						
PUMP P-2	1	2.1	480	3		1673 VA
PUMP P-1	2	3.4	480	3		2709 VA
* RETURN FAN R1		3.4	480	3		2709 VA
* SUPPLY FAN S1		3.4	480	3		2709 VA
WATER HEATER		7.5	480	3		5975 VA
480V SUBTOTAL						15775 VA
480V NEW LOADS						
AHU-1 (1)120 HP (1)7.5 HP						33653 VA
TOTAL CONNECTED LOAD						338574 VA
TOTAL DEMAND LOAD (CONTINUOUS LOADS @ 125%)						354232 VA
MINIMUM REQUIRED FEEDER AMPACITY						426 A
SERVICE EQUIPMENT BUS RATING						600 A
SERVICE DISCONNECT RATING						600 A



GROUNDING ELECTRODE WIRING DIAGRAM



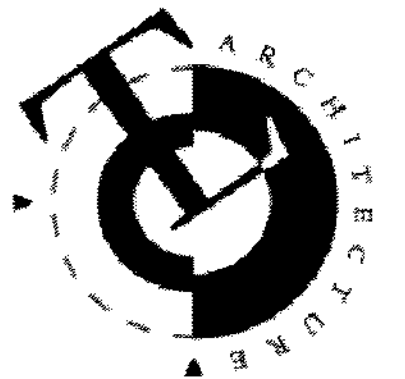
SUBSTATION #2 SWITCHGEAR - PARTIAL ELEVATION



IMPROVEMENT - ONE-LINE DIAGRAM

NOTES:

- SEE GENERAL NOTES & LEGEND ON SHEET E0.1.
- CONTRACTOR SHALL FIELD VERIFY AND FIELD LOCATE NOTED LOADS. LOADS SHALL BE REFEED FROM SWGR 18DLC. INCLUDE IN BID 50 FEET OF BRANCH CIRCUIT WIRING AND RACEWAY.
- NOTED DISCONNECT 18TC SHALL BE 600V, 200A, 3 POLE, NEMA 1, SQUARE D MODEL# HU364 OR EQUAL. LOCATE IN ELECTRICAL ROOM.
- PROJECT TOTAL LOAD WAS REPORTED TO FRANK KITCHEN OF SOLANO COMMUNITY COLLEGE, FOR THE PURPOSE OF EVALUATING SUBSTATION #2 CAPACITY TO SUPPORT THIS PROJECT. MR. KITCHEN REPORTED THAT A CAMPUS-WIDE SUBSTATION STUDY WAS PERFORMED, AND THAT THIS PROJECTS LOADS COULD BE SUPPORTED. ARCSINE ENGINEERING DID NOT EVALUATE SUBSTATION #2 AMPACITY.
- CONTRACTOR SHALL PROVIDE A NEW NAMEPLATE AT SUBSTATION #2 IDENTIFYING BUILDING 1800A SERVICE BREAKER.
- TVSS SHALL BE CULTER-HAMMER MODEL NUMBER CN87576 OR EQUAL.



TLCD ARCHITECTURE

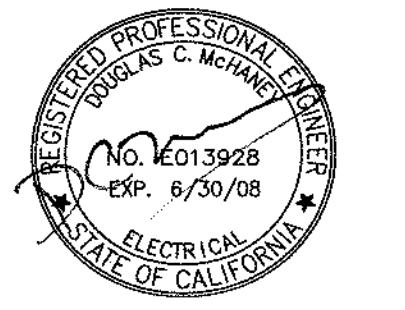
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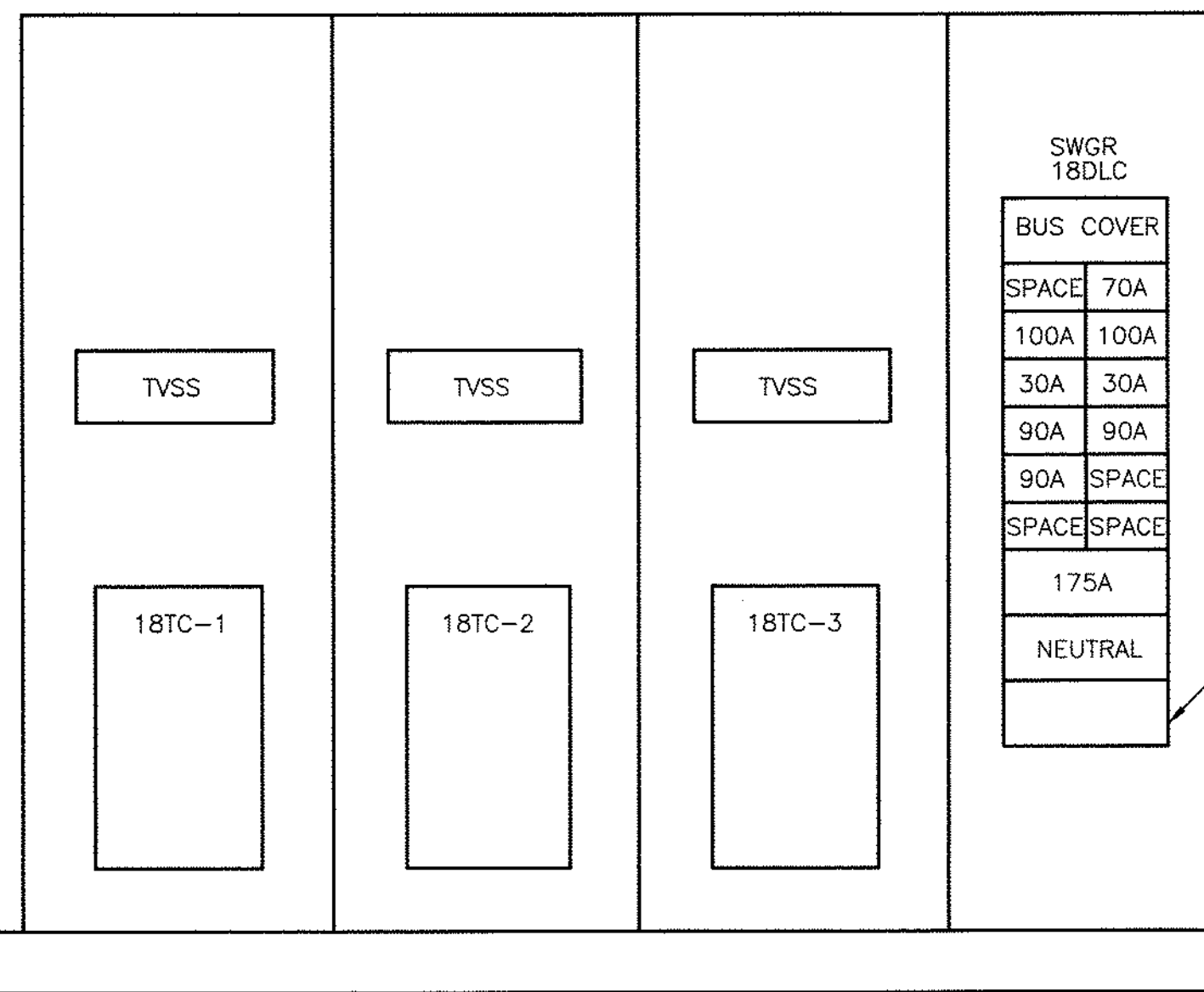
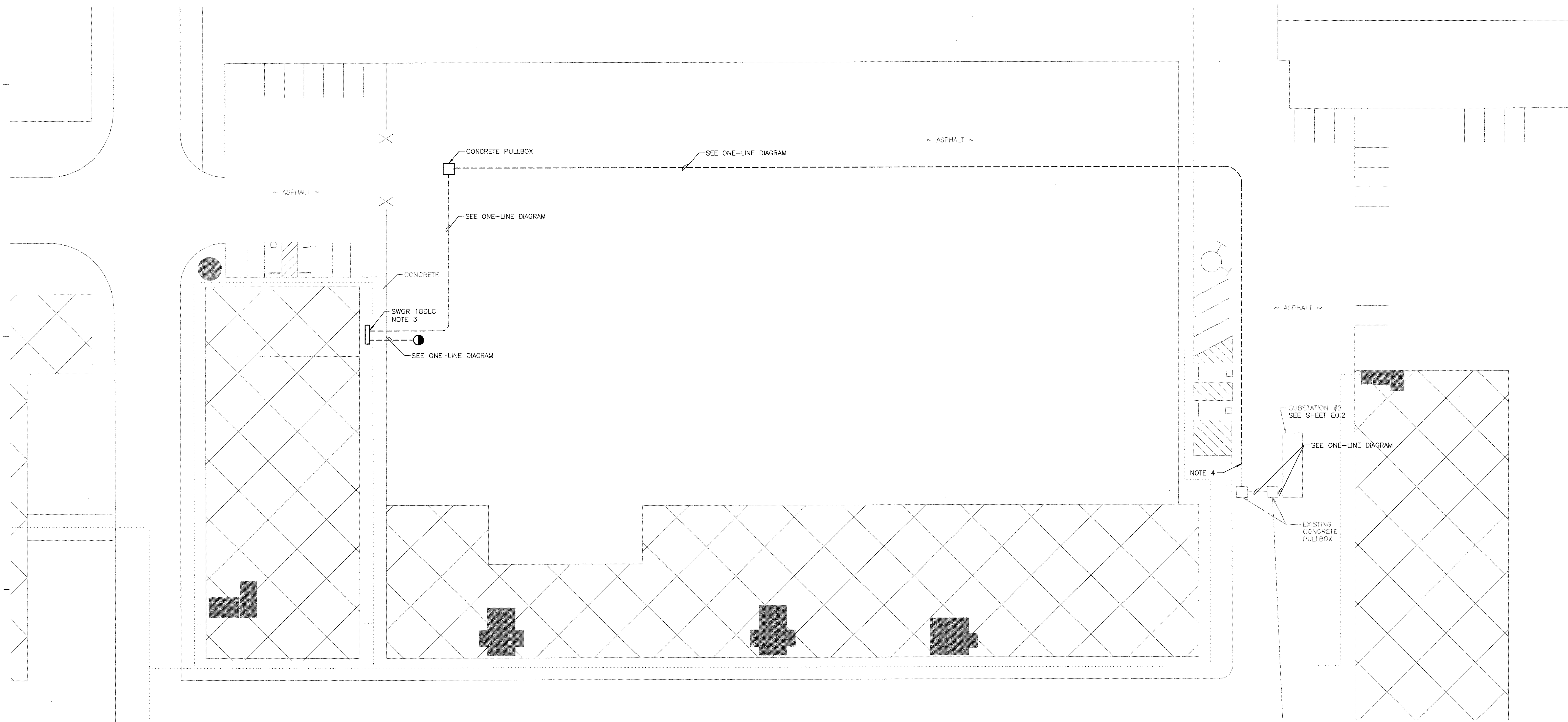
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL: 06-102377
FILE: 10-11
PTN:
AC: FLS SS
DATE: 7-24-2007

PANEL 18LD																	
Status: Existing, Modify	Line-to-neutral Voltage: 277 V			Main breaker size: 100A			Job Name: SCC BLDG 1800A										
Bus rating: 100 A	Line-to-line Voltage: 480 V			Fault rating: 10 kAIC			ArcSine number: 0652										
Mounting: Surface	Nema rating: Nema-1			Location: Mech Rm			7/13/2007										
Description		Category	Line Amps	Ph-A kVA	Ph-B kVA	Ph-C kVA	Bkr. Size	ckt. No.	Phase A B C	ckt. No.	Bkr. Size	Ph-A kVA	Ph-B kVA	Ph-C kVA	Line Amps	Category	Description
LIGHTING RM 1818		1	6.9	1.92			20	1	2		20				7.2	1	UPS - 1
LIGHTING RM 1819		1	6.5		1.8		20	3	4		20		0.53		1.9	1	LIGHTING CORRIDOR
LIGHTING RM 1815, 1821, 1822		1	6.9		1.92		20	5	6		20			2.4	8.7	1	LIGHTING SOUTH
SPARE							20	7	8		20						SPARE
							20	9	10		20						
							20	11	12		20						
							20	13	14		20						
							20	15	16		20						
							20	17	18		20						
							20	19	20		20						
SPARE																	SPARE
Subtotal kVA				1.92	1.8	1.92						2	0.53	2.4			
Subtotal Amps				6.93	6.5	6.93						7.22	1.91	8.66			
Load Summary																	
Connected Load							Demand Load										
Category	Description	Load	Description	Factor	Load												
1	Lighting	10.6 kVA	Lighting	1.25	13.2 kVA												
2	Receptacles < 10 kVA	0 kVA	Receptacles < 10 kVA	1.0	0 kVA												
2	Receptacles > 10 kVA	0 kVA	Receptacles > 10 kVA	0.5	0 kVA												
3	Miscellaneous non-continuous	0 kVA	Misc. non-continuous	1.0	0 kVA												
4	Miscellaneous continuous	0 kVA	Misc. continuous	1.25	0 kVA												
5	Largest motor	0 kVA	Largest Motor	1.25	0 kVA												
6	Sub panel feeder	0 kVA	Sub Panel Feeder	1.0	0 kVA												
Total connected kVA		10.6 kVA	Total demand kVA		13.2 kVA												
Average connected Amps		12.7 A	Average demand Amps		15.9 A												
Note: 1. This panelboard includes demolition of branch circuit wiring and raceway prior to installation of new loads (Bold/ Non-italicized descriptions).																	

PANEL 18RI																																																																																																																																																																																																																																																																																																																																			
Status: Existing, Relocate	Line-to-neutral Voltage: 120 V			Main breaker size: MLO			Job Name: SCC BLDG 1800A			ArcSine number: 0652																																																																																																																																																																																																																																																																																																																									
Bus rating: 225 A	Line-to-line Voltage: 208 V			Fault rating: 10 kAIC			Job Name: SCC BLDG 1800A			ArcSine number: 0652																																																																																																																																																																																																																																																																																																																									
Mounting: Flush	Nema rating: Nema-1			Location: Elect. Room			7/13/2007			7/13/2007																																																																																																																																																																																																																																																																																																																									
<table><tr><th colspan="2">Description</th><th>Category</th><th>Ph-A kVA</th><th>Ph-B kVA</th><th>Ph-C kVA</th><th>Bkr. Size</th><th>Phase A B C</th><th>Qty</th><th>Ph-A kVA</th><th>Ph-B kVA</th><th>Ph-C kVA</th><th>Description</th></tr><tr><td>RECEPT RM 1821</td><td>2</td><td>10</td><td>1.2</td><td></td><td></td><td>20</td><td></td><td>2</td><td>0.36</td><td></td><td></td><td>3 2 RECEPT RM 1821B & 1822</td></tr><tr><td>RECEPT RM 1821</td><td>2</td><td>6</td><td>0.72</td><td></td><td></td><td>20</td><td></td><td>3</td><td></td><td>0.72</td><td></td><td>6 2 RECEPT RM 1821A</td></tr><tr><td>RECEPT RM 1822</td><td>2</td><td>3</td><td></td><td>0.36</td><td></td><td>20</td><td></td><td>5</td><td></td><td></td><td>0.6</td><td>5 2 PLOTTER RM 1822</td></tr><tr><td>WORKSTATION RM 1822</td><td>2</td><td>15</td><td>1.8</td><td></td><td></td><td>20</td><td></td><td>7</td><td></td><td>1.8</td><td></td><td>15 2 WORKSTATION RM 1822</td></tr><tr><td>WORKSTATION RM 1822</td><td>2</td><td>15</td><td>1.8</td><td></td><td></td><td>20</td><td></td><td>9</td><td></td><td>1.8</td><td></td><td>15 2 WORKSTATION RM 1822</td></tr><tr><td>RECEPT RM 1822, 1823 & EXTERIOR</td><td>2</td><td>6</td><td>0.72</td><td></td><td></td><td>20</td><td></td><td>11</td><td></td><td></td><td>0.36</td><td>3 2 RECEPT RM 1823</td></tr><tr><td>RECEPT RM 1823</td><td>2</td><td>3</td><td>0.36</td><td></td><td></td><td>20</td><td></td><td>13</td><td></td><td>0.36</td><td></td><td>3 2 RECEPT RM 1823</td></tr><tr><td>RECEPT RM 1823</td><td>2</td><td>3</td><td>0.36</td><td></td><td></td><td>20</td><td></td><td>15</td><td></td><td>0.36</td><td></td><td>3 2 RECEPT RM 1823</td></tr><tr><td>RECEPT RM 1823</td><td>2</td><td>3</td><td>0.36</td><td></td><td></td><td>20</td><td></td><td>17</td><td></td><td>0.36</td><td></td><td>3 2 RECEPT RM 1823</td></tr><tr><td>RECEPT RM 1823</td><td>2</td><td>3</td><td>0.36</td><td></td><td></td><td>20</td><td></td><td>19</td><td></td><td>0.9</td><td></td><td>7.5 2 SWITCHED RECEPT RM 1823</td></tr><tr><td>RECEPT RM 1824 & 1824A</td><td>2</td><td>6</td><td>0.72</td><td></td><td></td><td>20</td><td></td><td>21</td><td></td><td>1.3</td><td></td><td>11 2 RECEPT RM 1824 & 1824B</td></tr><tr><td>RECEPT RM 1821</td><td>2</td><td>10</td><td>1.2</td><td></td><td></td><td>20</td><td></td><td>23</td><td></td><td>1.2</td><td></td><td>10 2 RECEPT RM 1821</td></tr><tr><td>RECEPT RM 1821</td><td>2</td><td>10</td><td>1.2</td><td></td><td></td><td>20</td><td></td><td>25</td><td></td><td>1.8</td><td></td><td>15 3 DRYER</td></tr><tr><td>ILFORD PROCESSOR</td><td>2</td><td>23</td><td>2.7</td><td></td><td></td><td>20</td><td></td><td>27</td><td></td><td>1.8</td><td></td><td>15 3</td></tr><tr><td></td><td>2</td><td>23</td><td></td><td>2.7</td><td></td><td>20</td><td></td><td>29</td><td></td><td></td><td>0.36</td><td>3 2 RECEPT RM 1821</td></tr><tr><td>RECEPT RM 1821</td><td>2</td><td>3</td><td>0.36</td><td></td><td></td><td>20</td><td></td><td>31</td><td></td><td>0.36</td><td></td><td>3 2 RECEPT RM 1821</td></tr><tr><td>RECEPT RM 1821</td><td>2</td><td>3</td><td>0.36</td><td></td><td></td><td>20</td><td></td><td>33</td><td></td><td>0.36</td><td></td><td>3 2 RECEPT RM 1821</td></tr><tr><td>RECEPT RM 1821</td><td>2</td><td>3</td><td></td><td>0.36</td><td></td><td>20</td><td></td><td>35</td><td></td><td></td><td></td><td>SPARE</td></tr><tr><td>SPARE</td><td></td><td></td><td></td><td></td><td></td><td>20</td><td></td><td>37</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>20</td><td></td><td>39</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>20</td><td></td><td>41</td><td></td><td></td><td></td><td></td></tr><tr><td colspan="3">Subtotal kVA</td><td>5.28</td><td>6.66</td><td>5.7</td><td colspan="3">Subtotal kVA</td><td>5.58</td><td>6.34</td><td>2.88</td><td></td></tr><tr><td colspan="3">Subtotal Amps</td><td>44</td><td>55.5</td><td>47.5</td><td colspan="3">Subtotal Amps</td><td>46.5</td><td>52.8</td><td>24</td><td></td></tr></table>												Description		Category	Ph-A kVA	Ph-B kVA	Ph-C kVA	Bkr. Size	Phase A B C	Qty	Ph-A kVA	Ph-B kVA	Ph-C kVA	Description	RECEPT RM 1821	2	10	1.2			20		2	0.36			3 2 RECEPT RM 1821B & 1822	RECEPT RM 1821	2	6	0.72			20		3		0.72		6 2 RECEPT RM 1821A	RECEPT RM 1822	2	3		0.36		20		5			0.6	5 2 PLOTTER RM 1822	WORKSTATION RM 1822	2	15	1.8			20		7		1.8		15 2 WORKSTATION RM 1822	WORKSTATION RM 1822	2	15	1.8			20		9		1.8		15 2 WORKSTATION RM 1822	RECEPT RM 1822, 1823 & EXTERIOR	2	6	0.72			20		11			0.36	3 2 RECEPT RM 1823	RECEPT RM 1823	2	3	0.36			20		13		0.36		3 2 RECEPT RM 1823	RECEPT RM 1823	2	3	0.36			20		15		0.36		3 2 RECEPT RM 1823	RECEPT RM 1823	2	3	0.36			20		17		0.36		3 2 RECEPT RM 1823	RECEPT RM 1823	2	3	0.36			20		19		0.9		7.5 2 SWITCHED RECEPT RM 1823	RECEPT RM 1824 & 1824A	2	6	0.72			20		21		1.3		11 2 RECEPT RM 1824 & 1824B	RECEPT RM 1821	2	10	1.2			20		23		1.2		10 2 RECEPT RM 1821	RECEPT RM 1821	2	10	1.2			20		25		1.8		15 3 DRYER	ILFORD PROCESSOR	2	23	2.7			20		27		1.8		15 3		2	23		2.7		20		29			0.36	3 2 RECEPT RM 1821	RECEPT RM 1821	2	3	0.36			20		31		0.36		3 2 RECEPT RM 1821	RECEPT RM 1821	2	3	0.36			20		33		0.36		3 2 RECEPT RM 1821	RECEPT RM 1821	2	3		0.36		20		35				SPARE	SPARE						20		37											20		39											20		41					Subtotal kVA			5.28	6.66	5.7	Subtotal kVA			5.58	6.34	2.88		Subtotal Amps			44	55.5	47.5	Subtotal Amps			46.5	52.8	24	
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Notes: 1. Contractor shall coordinate with Solano Community College for locations of noted branch circuits. These are not depicted on the building power plan. (DWG. E2.0) 2. This panelboard includes demolition of existing branch circuit wiring and raceways prior to installation of new loads (Bold/ Non italicized descriptions).																																																																																																																																																																																																																																																																																																																																			

PANEL 18RM														
Status: NEW	Line-to-neutral Voltage: 120 V			Main breaker size: 200A			Job Name: SCC BLDG 1800A			ArcSine number: 0652				
Bus rating: 225 A	Line-to-line Voltage: 208 V			Fault rating: 10 kAIC			Job Name: SCC BLDG 1800A			ArcSine number: 0652				
Mounting: Flush	Nema rating: Nema-1			Location: COMPUTER LAB			7/13/2007			7/13/2007				
Description		Category	Qty	Ph-A kVA	Ph-B kVA	Ph-C kVA	Bkr. Size	Phase A B C	Qty	Ph-A kVA	Ph-B kVA	Ph-C kVA	Category	Description
	RECEPT RM 1819A	2	4.5	0.54			20	1	2	0.54			4.5	2 RECEPT RM 1819C
	RECEPT RM 1819B	2	5	0.6			20	3	4		0.7		5.8	3 EF - 6 RM 1819B
	RECEPT RM 1819C	2	4.5		0.54		20	5	6			0.7	5.8	3 EF - 7 RM 1819D
	RECEPT RM 1819C	2	4.5				20	7	8		2.7		23	2 RECEPT RM 1819C
	RECEPT RM 1819C	2	4.5				20	9	10		2.7		23	2
	COM - 1 COMPRESSOR	3	11		1.27		20	11	12			0.54	4.5	2 RECEPT RM 1819
		3	11		1.27		20	13	14		0.72		6	2 RECEPT RM 1819
		3	11		1.27		20	15	16			0.18	1.5	2 SMART PANEL RM 1819
	RECEPT RM 1819	2	3			0.36	20	17	18			2.7	23	2 JUNCTION BOX RM 1819
	PROJECTOR STATION RM 1819	2	5		0.6		20	19	20		2.7		23	2
	RECEPT CEILING RM 1819	2	3			0.36	20	21	22			1.2	10	2 DESK RECEPT RM 1819
	JUNCTION BOX RM 1819	2	23			2.7	20	23	24			1.2	10	2 DESK RECEPT RM 1819
		2	23		2.7		20	25	26		1.2		10	2 DESK RECEPT RM 1819
		2	23		2.7		20	27	28			0.6	5	2 RECEPT RM 1819D
	RECEPT RM 1819C	2	5			0.6	20	29	30			0.36	3	2 RECEPT RM 1819
	RECEPT RM 1819	2	1.5		0.18		20	31	32		0.36		3	2 RECEPT RM 1819
	RECEPT RM 1819	2	1.5		0.18		20	33	34			0.18	1.5	2 RECEPT RM 1819
	RECEPT RM 1819	2	1.5			0.18	20	35	36			0.18	1.5	2 RECEPT RM 1819
	SPACE	2	1.5			0.18	20	37	38				1.5	2 RECEPT RM 1819
							20	39	40					SPACE
							20	41	42					
	Subtotal kVA			7.99	7.81	5.65				8.22	5.56	5.68		
	Subtotal Amps			66.6	65.1	47.1				68.5	46.3	47.3		
Load Summary														
Notes:														

PANEL 18RH														
Status: Existing, Modify	Line-to-neutral Voltage: 120 V			Main breaker size: MLO			Job Name SCC BLDG 1800A			ArcSine number: 0652				
Bus rating: 225 A	Line-to-line Voltage: 208 V			Fault rating: 10 kAIC			Job Name: SCC BLDG 1800A			ArcSine number: 0652				
Mounting: Surface	Nema rating: Nema-1			Location: Mech Rm			7/13/2007			7/13/2007				
Panel Schedule														
Description		Qty	Ph-A kVA	Ph-B kVA	Ph-C kVA	Bkr. Size	Phase A B C	Qty	Ph-A kVA	Ph-B kVA	Ph-C kVA	Description		
	RECEPT RM 1801	2	0.9			20	1	2			0.72	6	2	RECEPT RM 1803
	OUTSIDE LIGHTS	1		0.9		20	3	4			0.72	6	2	RECEPT RM 1805
	OUTSIDE LIGHTS	1			0.7	20	5	6			0.72	6	2	RECEPT RM 1807
	RECEPT RM 1806	2		0.72		20	7	8			0.72	6	2	RECEPT RM 1808
	TELEPHONE BACKBOARD	2			0.36	20	9	10			2.7	23	2	IDF RECEPT
	RECEPT RM 1810	2			0.54	20	11	12			2.7	23	2	IDF RECEPT
	RECEPT RM 1809	2		0.9		20	13	14			2.7	23	2	IDF RECEPT
	CIRC PUMP RM 1812	4			0.53	20	15	16			0.9	7.5	2	RECEPT RM 1811
	RECEPT RM 1812	2			0.18	20	17	18			0.18	15	2	NT-1 ALARM PANEL RM 1812
	DF - 1	2		0.6		20	19	20			0.7	5.8	3	EXHAUST FAN E-1 ROOF
Note 2	SMOKE DAMPERS	3			0.6	20	21	22			0.86	7.2	3	EXHAUST FAN E-2 ROOF
	VAV-1 through VAV-14	3			0.8	20	23	24			0.7	5.8	3	EXHAUST FAN E-4 ROOF
	EXHAUST FAN E-5 ROOF	3		0.53		20	25	26			0.18	1.5	2	CNTRL. CKT MCHL CNTRL PANEL
	COPIER RM 1805	2			1.2	20	27	28			0.7	5.8	3	EXHAUST FAN PHOTO LAB
	CU-1	5			1.41	20	29	30			0.07	0.6	3	FC-1
	Spare	5		1.41		20	31	32			0.07	0.6	3	FC-1
						20	33	34			0.18	1.5	2	FACP
						20	35	36						Note 2
						20								Spare
	Subtotal kVA		5.06	3.59	3.63					5.09	6.06	4.37		
	Subtotal Amps		42.2	29.9	30.3					42.4	50.5	36.4		
Load Summary														
Connected Load		Load		Demand Load		Factor		Load		Notes				
Category	Description	Load	Description	Factor	Load	Category	Description	Load	Description	Factor	Load			
1	Lighting	1.6	kVA	Lighting	1.25	2	kVA	1	Lighting	1.25	2	kVA		
2	Receptacles < 10 kVA	10	kVA	Receptacles < 10 kVA	1.0	10	kVA	2	Receptacles < 10 kVA	1.0	10	kVA		
2	Receptacles > 10 kVA	7.82	kVA	Receptacles > 10 kVA	0.5	3.91	kVA	2	Receptacles > 10 kVA	0.5	3.91	kVA		
3	Miscellaneous non-continuous	5.02	kVA	Misc. non-continuous	1.0	5.02	kVA	2	Miscellaneous non-continuous	1.0	5.02	kVA		
4	Miscellaneous continuous	0.53	kVA	Misc. continuous	1.25	0.66	kVA	2	Miscellaneous continuous	1.25	0.66	kVA		
5	Largest motor	2.82	kVA	Largest Motor	1.25	3.53	kVA	2	Largest motor	1.25	3.53	kVA		
6	Sub panel feeder	0	kVA	Sub Panel Feeder	1.0	0	kVA	2	Sub panel feeder	1.0	0	kVA		
	Total connected kVA	27.8	kVA	Total demand kVA		25.1	kVA							
	Average connected Amps	77.1	A	Average demand Amps		69.7	A							



SWGR 18DLC ELEVATION
NOT TO SCALE
NOTE 3

SWGR 18DLC	
BUS COVER	
SPACE	70A
100A	100A
30A	30A
90A	90A
90A	SPACE
SPACE	SPACE
175A	
NEUTRAL	

MAIN BREAKER
600A

CONCRETE PAD
SEE DETAIL "J" SHEET E4.0
FINISHED FLOOR

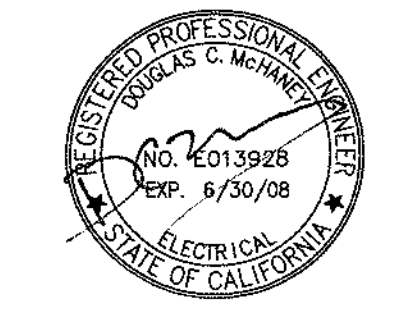
SITE PLAN
SCALE: 1" = 20'-0"

1 INCH
BAR EQUALS ONE
INCH WHEN DRAWING
IS PLOTTED FULL SIZE.
IF NOT, SCALE ACCORDINGLY

- NOTES:**
- SEE GENERAL NOTES AND LEGEND ON SHEET E0.1.
 - CONTRACTOR SHALL FIELD INVESTIGATE FOR ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. ALL DAMAGED UNDERGROUND UTILITIES SHALL BE REPLACED AND/OR REPAIRED AT THE CONTRACTOR'S COST.
 - COORDINATE EXACT LOCATION OF SWGR 18DLC WITH THE OWNER AND THE ARCHITECT. SEE SWITCHGEAR ELEVATION THIS SHEET AND SWITCHGEAR MOUNTING DETAIL SHEET E4.0.
 - CONTRACTOR SHALL FIELD INVESTIGATE AND LOCATE CONDUITS STUBBED OUT OF EXISTING CONCRETE PULLBOX.

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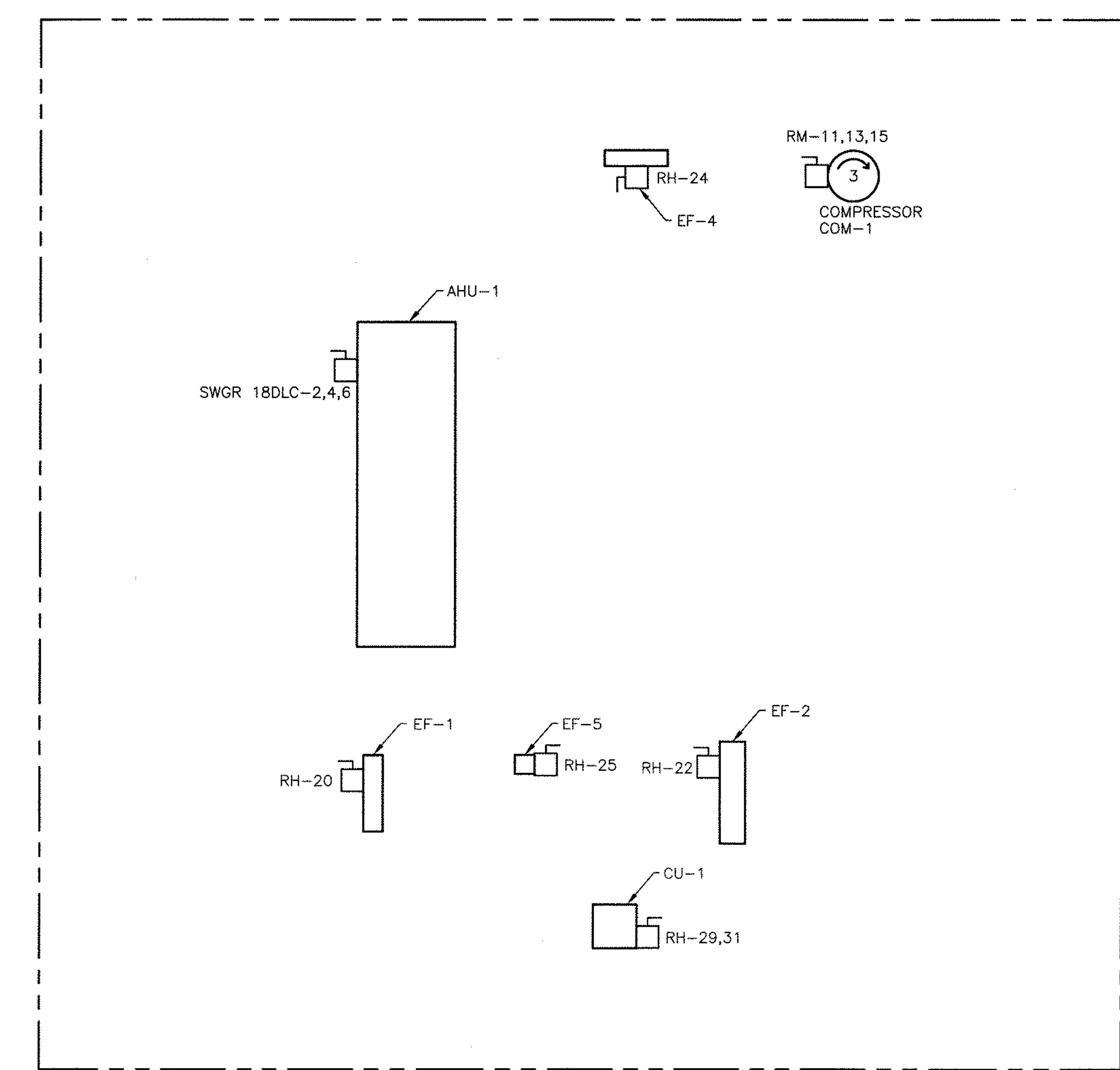
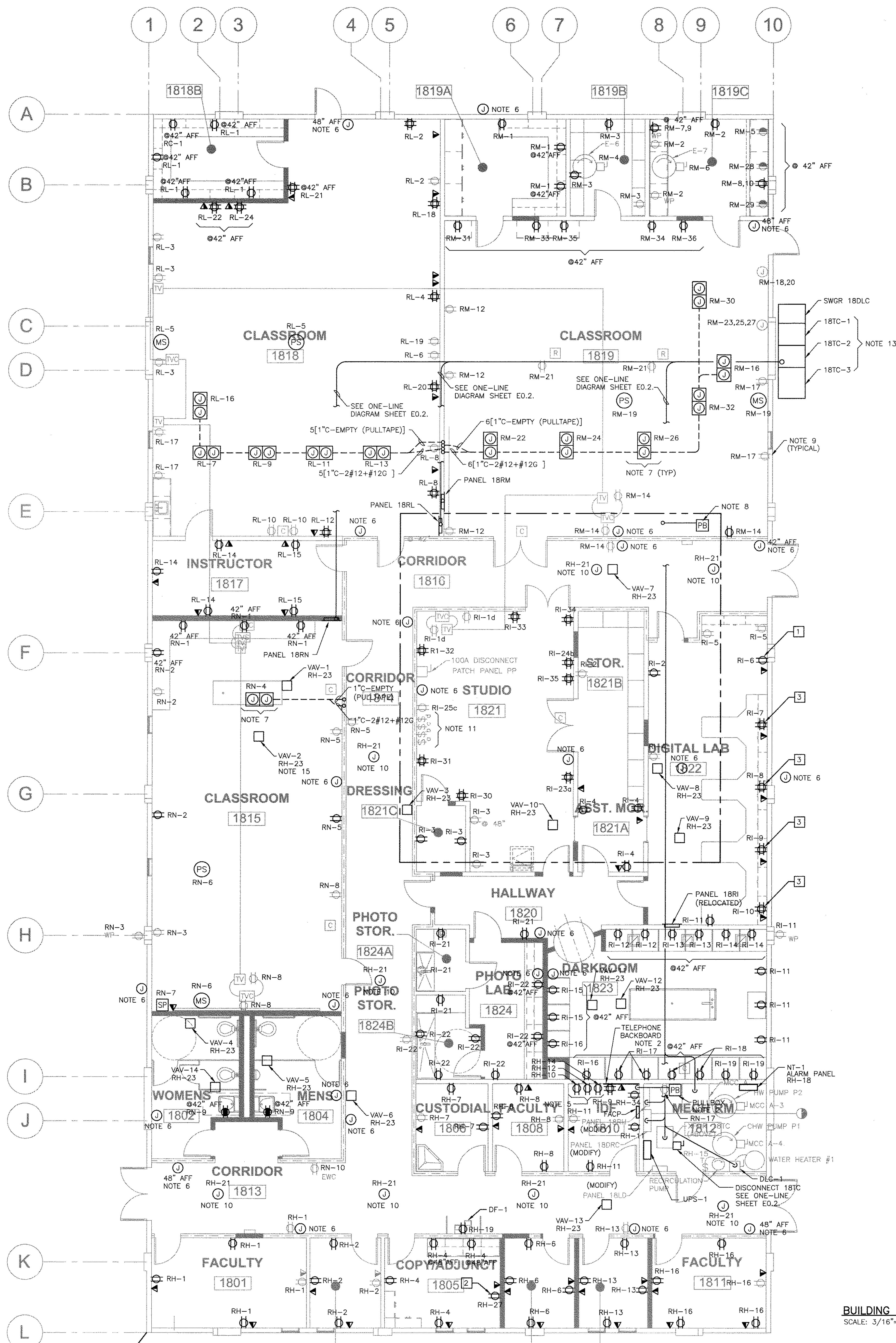
**SOLANO COMMUNITY
COLLEGE DISTRICT**
4000 SUISUN VALLEY ROAD
SUISUN, CA.

PROJECT NUMBER:
06047.00
DATE:
JULY 24, 2007
DRAWN BY:
Z. RINESMITH (0652T1-5)
CHECKED BY:
REVISIONS:

SITE PLAN

E1.0

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PARTIAL ROOF PLAN
SCALE: 1/4"=1'-0"

EQUIPMENT REFERENCE TABLE

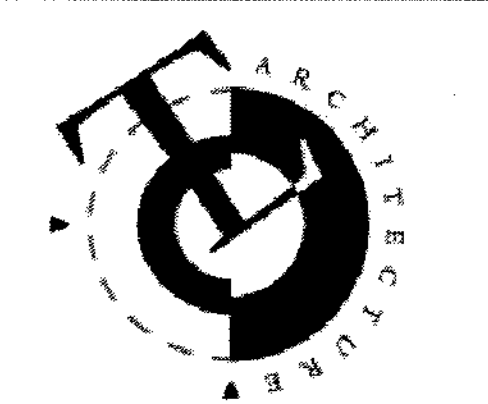
1	PLOTTER
2	COPIER
3	WORK STATION

NOTES:

- SEE GENERAL NOTES AND LEGEND ON SHEET E0.1.
- EXISTING TELEPHONE BACKBOARD (ROOM 1812) SHALL BE DEMOLISHED. CONTRACTOR SHALL FIELD INVESTIGATE CONDUIT SIZE, INTERCEPT CONDUIT WITH A PULLBOX AND EXTEND RACEWAYS ABOVE CEILING OVER TO NEW TELEPHONE BACKBOARD LOCATION (ROOM 1810). TELEPHONE BACKBOARD SHALL BE 4'x8'1/2" PLYWOOD, CAULKED, PRIMED AND PAINTED. CONTRACTOR SHALL PROVIDE A HIGH QUALITY GROUND (#6CU CONDUCTOR) FROM PANEL 18LD GROUND BUS TO THE TELEPHONE BACKBOARD.
- WALL CLOCKS SHALL BE AS MANUFACTURED BY PRIMEX; MODEL NO. 14180 METAL SERIES; BRUSHED ALUMINUM FINISH; 5 YEAR MAINTENANCE FREE BATTERY; 12.5" DIAMETER. SEE PLAN FOR QUANTITY. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS WITH THE OWNER AND ARCHITECT.
- MECHANICAL EQUIPMENT AHU-1, COM-1, EF-1,2,4, & 5 SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT MOUNTING LOCATIONS.
- NOTED RECEPTACLES IN THE IDF ROOM ARE NEMA 5-30R CONFIGURATION. EACH RECEPTACLE WILL HAVE A DEDICATED 30A CIRCUIT. CONTRACTOR SHALL COORDINATE WITH JAMES ENNIS SOLANO COMMUNITY COLLEGE TECHNOLOGY SERVICES AND SUPPORT(707-864-7104) FOR EXACT LOCATIONS.
- NOTED JUNCTION BOXES ARE PROVISIONS FOR FUTURE FIRE ALARM DEVICES. AT INTERIOR JUNCTION BOX LOCATIONS CONTRACTOR SHALL PROVIDE A 4"x4" WALL BOX WITH A SINGLE GANG MUD RING AND PROVIDE A 3/4" CONDUIT STUBBED TO AN ACCESSIBLE AREA ABOVE CEILING (WITH PULLTAPE). AT EXTERIOR JUNCTION BOX LOCATIONS CONTRACTOR SHALL PROVIDE A WEATHER PROOF SURFACE MOUNT 4"x4" WALL BOX AND PROVIDE A 3/4" CONDUIT STUBBED TO AN ACCESSIBLE SPACE ABOVE THE CEILING (WITH PULLTAPE). JUNCTION BOXES WITH NO SPECIFIED MOUNTING HEIGHT SHALL BY MOUNTED 80" AFF MINIMUM TO 96" AFF MAXIMUM. COORDINATE EXACT LOCATIONS WITH THE ARCHITECT AND BRIAN KING AT QUALITY SOUND (916-137-2176). CONTRACTOR SHALL PATCH & REPAIR WALL SURFACES TO MATCH SURROUNDING AREA.
- NOTED IN-FLOOR JUNCTION BOXES ARE PROVIDED TO FEED DATA & POWER TO BUILT IN FURNITURE. FOR POWER, CONTRACTOR SHALL PROVIDE 1" CONDUIT & CONDUCTORS FROM PANEL OF ORIGIN TO JUNCTION BOX. FOR DATA, CONTRACTOR SHALL PROVIDE 1" CONDUIT EMPTY (WITH PULLTAPE) FROM BOX TO ACCESSIBLE SPACE ABOVE CEILING. COORDINATE WITH ARCHITECT FOR EXACT FURNITURE LOCATIONS.
- CONTRACTOR SHALL PROVIDE PULLBOX IN ACCESSIBLE SPACE ABOVE CEILING WITH 2" CONDUIT EMPTY (PULLTAPE) ROUTED THROUGH ROOF TO MECHANICAL WELL. PROVIDE WEATHER HEAD. COORDINATE WITH ARCHITECT FOR EXACT MOUNTING LOCATIONS. REFER TO DETAIL SHEET E4.0.
- CONTRACTOR SHALL UTILIZE EXISTING WALLBOX AND RACEWAYS. INSTALL NEW BRANCH CIRCUIT, RECEPTACLE OUTLET AND FACE PLATE. FACE PLATE COLOR TO BE SPECIFIED BY ARCHITECT.
- NOTED SMOKE DAMPER JUNCTION BOXES SHALL BE LOCATED IN ACCESSIBLE SPACE ABOVE CEILING. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS OF SMOKE DAMPERS.
- NOTED SWITCHES IN ROOM 1821 ARE FOR SWITCHED RECEPTACLES. CONTRACTOR SHALL PROVIDE NEW SWITCHES AND FACE PLATES.
- CONDUITS ROUTED ABOVE CEILING SHALL BE SUPPORTED BY A CONDUIT TRAPEZE. SEE DETAIL SHEET E4.0.
- CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SWGR 18DLC WITH ARCHITECT.
- CONTRACTOR SHALL REFERENCE THE MECHANICAL DRAWINGS FOR EXACT HVAC VAV LOCATIONS AND ADDITIONAL REQUIREMENTS. TYPICAL FOR 14 LOCATIONS.
- CONTRACTOR SHALL REFERENCE MECHANICAL DRAWINGS FOR IDF ROOM FAN COIL UNIT (FC-1) LOCATION. PROVIDE A 30A DISCONNECT AND BRANCH CIRCUIT FROM PANEL RH-30,32.
- ALL EXISTING BUILDING PERIMETER WALLS ARE CONCRETE. NEW DEVICES INSTALLED ON CONCRETE WALLS SHALL UTILIZE SURFACE RACEWAY ASSEMBLIES. SECURELY FASTEN SURFACE RACEWAYS TO WALLS UTILIZING CONCRETE ANCHORS. SURFACE RACEWAY SHALL BE WIREMOLD V2400/V2400D SERIES OR EQUAL. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE AND FINISHED ASSEMBLY WHICH SHALL INCLUDE ENTRANCE END FITTINGS, STEEL RACEWAY BASE & COVER, DUAL COMPARTMENT, LOW PROFILE, SINGLE AND DUAL GANG DEVICE BOXES. COORDINATE WITH THE ARCHITECT FOR FINISH COLOR.

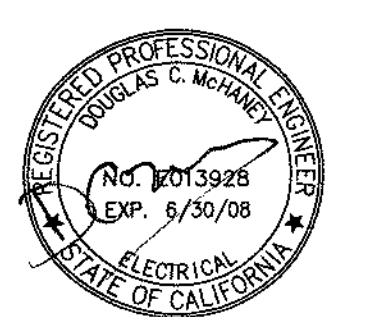
BUILDING POWER PLAN
SCALE: 3/16"=1'-0"

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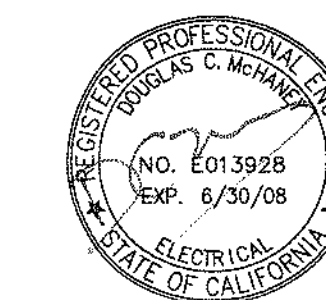
Solano Community College Building
1800A
4000 SUISUN VALLEY ROAD
FAIRFIELD, CA 94534

Solano Community College District
4000 SUISUN VALLEY ROAD
SUISUN, CA.

PROJECT NUMBER: 06047.00
DATE: JULY 24, 2007
DRAWN BY: Z. RINESMITH (065217-7)
CHECKED BY:

BUILDING POWER PLAN

E2.0



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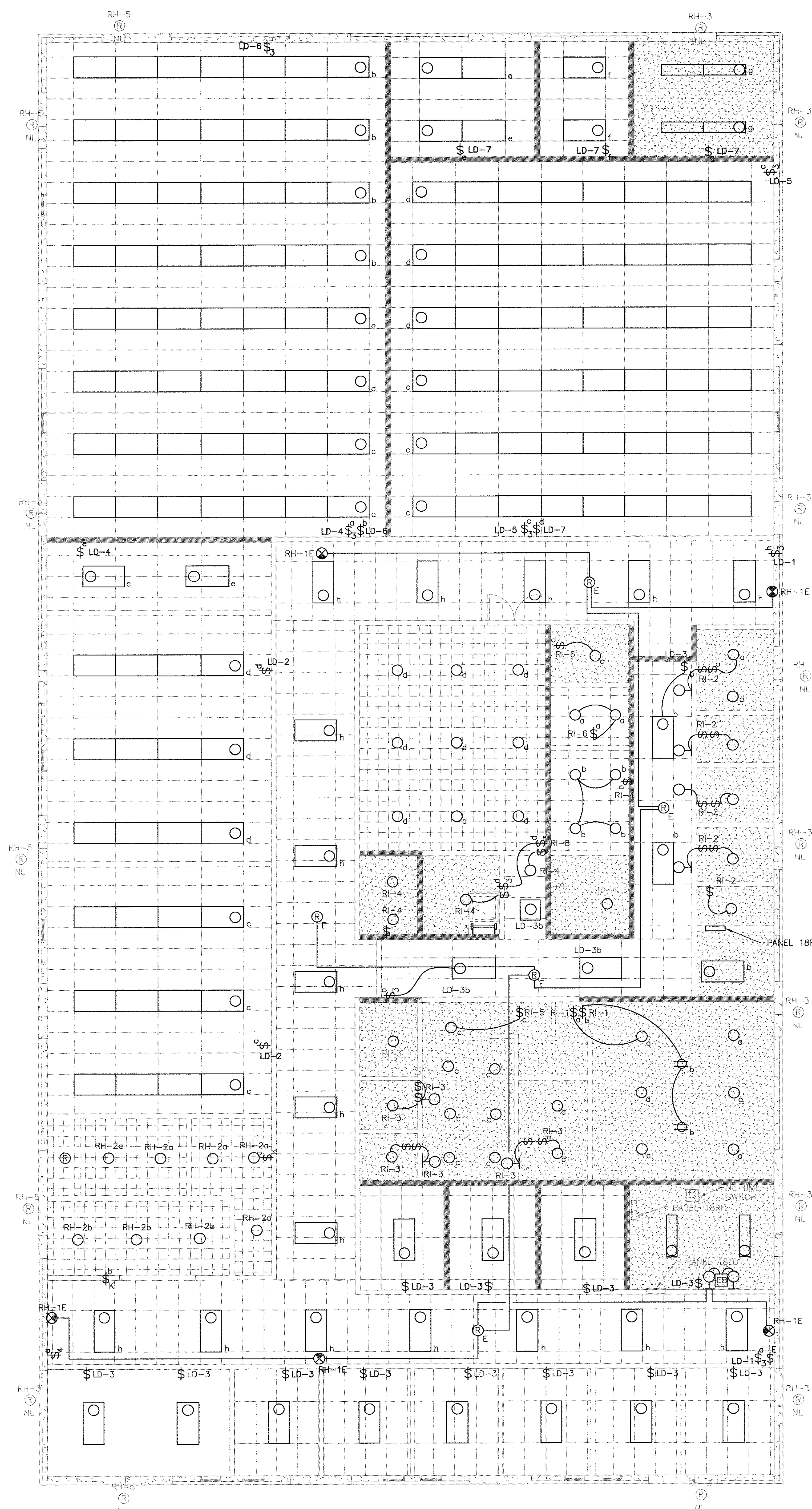
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REVISIONS:

BUILDING LIGHTING
PLAN - DEMOLITION

E3.0D

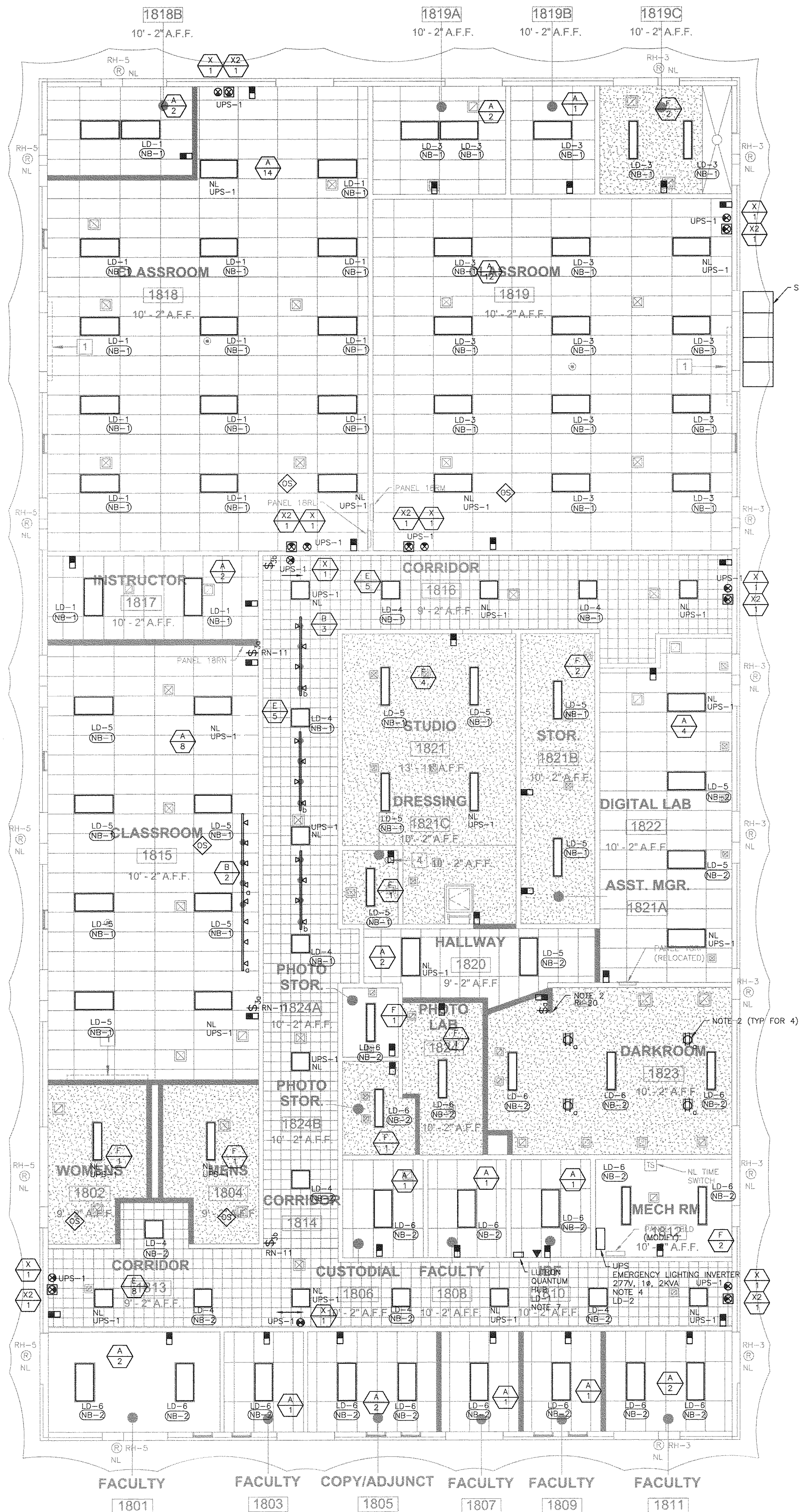


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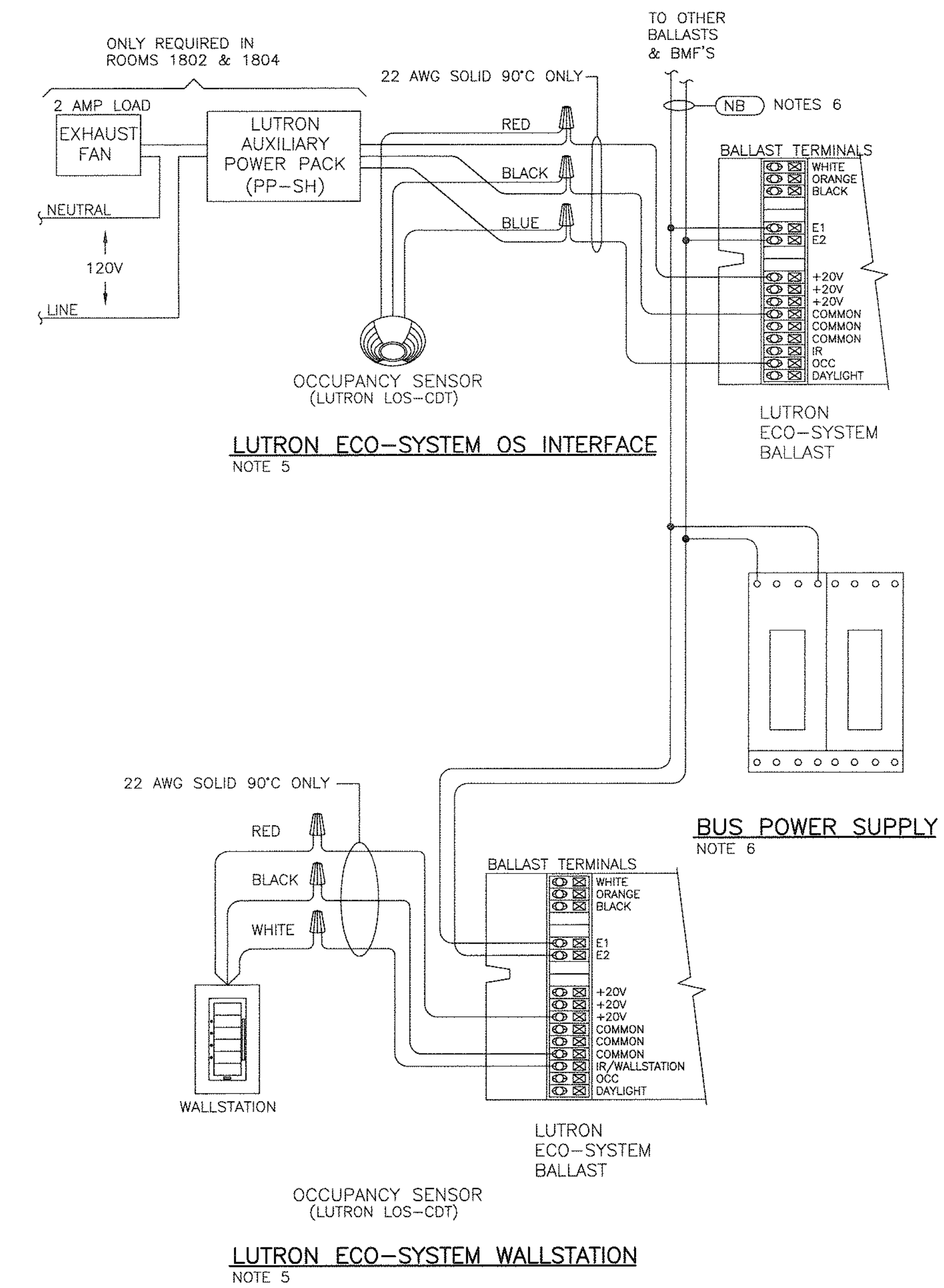
1. SEE GENERAL NOTES & LEGEND ON SHEET E0.1.
2. ITEMS SHOWN BOLD ON THIS DRAWING ARE TO BE DEMOLISHED OR MODIFIED.
3. ALL DEMOLITION WORK SHALL BE THOROUGH AND COMPLETE. REMOVE FROM SITE ALL UNUSED EQUIPMENT, BRANCH CIRCUITING, AND RACEWAYS.
4. CONTRACTOR SHALL PRESERVE AND PROTECT EXTERIOR LIGHTING, BRANCH CIRCUITS AND CONTROLS.



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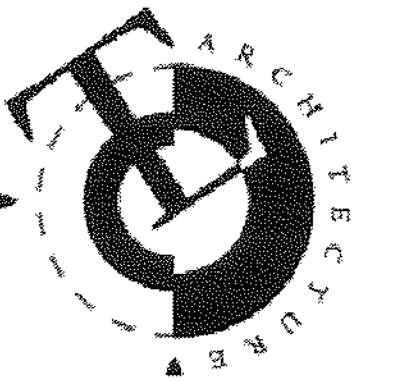


BUILDING LIGHTING PLAN
SCALE: 3/16"=1'-0"



NOTES:

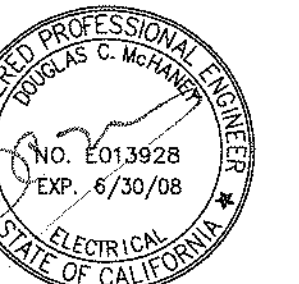
- SEE GENERAL NOTES & LEGEND FROM SHEET E0.1.
- CONTRACTOR SHALL COORDINATE CEILING MOUNTED RECEPTACLES WITH SCHOOL REPRESENTATIVES. RECEPTACLES SHALL BE SWITCHED FROM NOTED SWITCH. LIGHT FIXTURE TO BE PROVIDED BY OWNER.
- LUMINAIRES DESIGNATED AS "NL" ARE FED FROM UPS-1 AND SHALL HAVE THEIR ECO-SYSTEM BALLAST CONFIGURED AS AN EMERGENCY LIGHT. UPS-1 SHALL PROVIDE EMERGENCY POWER TO IDENTIFIED LIGHTS DURING A POWER OUTAGE.
- ALL LIGHT FIXTURES WITH AN "NL" DESIGNATION AND EXIT SIGNS SHALL BE FED DIRECTLY FROM THE LIGHTING INVERTER (UPS). UPS SHALL PROVIDE 90 MINUTES OF EMERGENCY LIGHTING. LIGHTING INVERTER SHALL BE MYERS POWER PRODUCTS "ILLUMINATOR C" SERIES MODEL M-2000-R-2YW OR EQUAL.
- LUTRON ECO-SYSTEM OCCUPANCY SENSORS AND WALL STATION CONDUCTORS SHALL BE ROUTED TO THE NEAREST ECO-SYSTEM BALLAST OR BALLAST MODULE.
- "NB" DESIGNATIONS ADJACENT TO EACH LIGHT FIXTURE SPECIFIES THE LUTRON ECO-SYSTEM BUS POWER SUPPLY THAT WILL CONNECT TO THE BALLAST OR BALLAST MODULE. NB CONDUCTORS ARE SOLID #12CU (2200' MAXIMUM). THE BUS POWER SUPPLY DOES NOT HAVE TO BE LOCATED AT THE END OF THE ECOSYSTEM BUS (NB-1). E1 AND E2 ARE POLARITY INSENSITIVE.
- QUANTUM HUB CONTAINS BUS POWER SUPPLIES NB-1 & NB-2.



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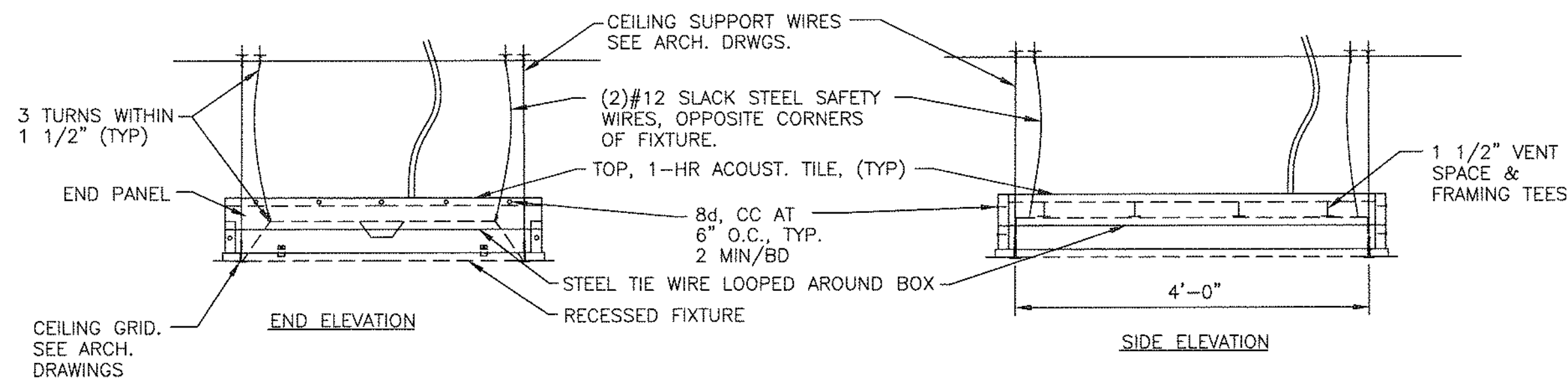
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Solano Community College District
4000 Suisun Valley Road
Suisun, CA.

PROJECT NUMBER:
06047.00
DATE:
JULY 24, 2007
DRAWN BY:
A. MARTINEZ (065271-9)
CHECKED BY:
REVISIONS:

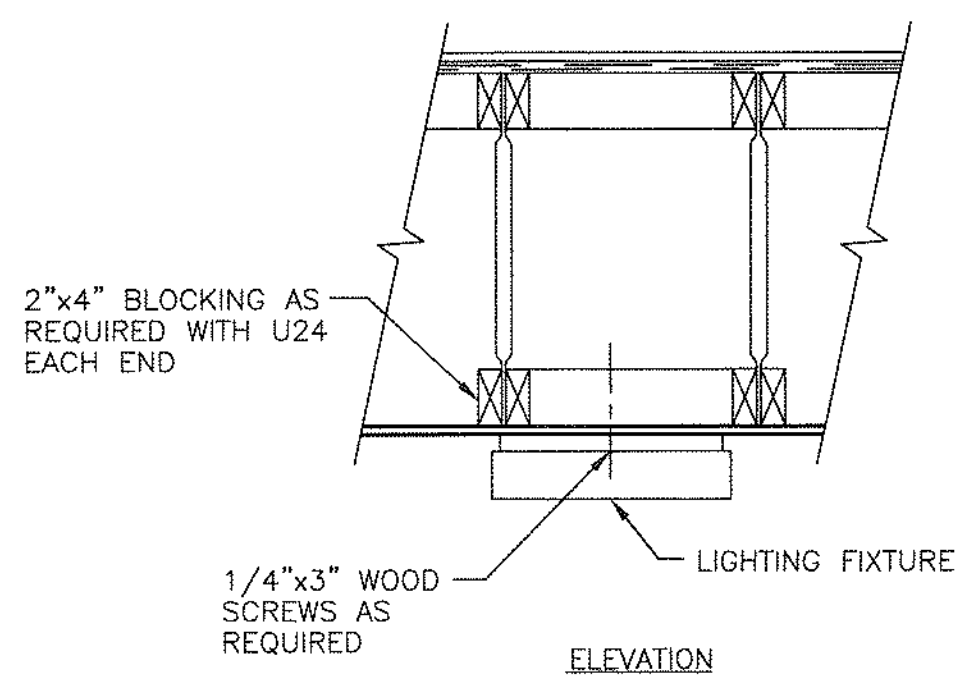
BUILDING LIGHTING PLAN

E3.0

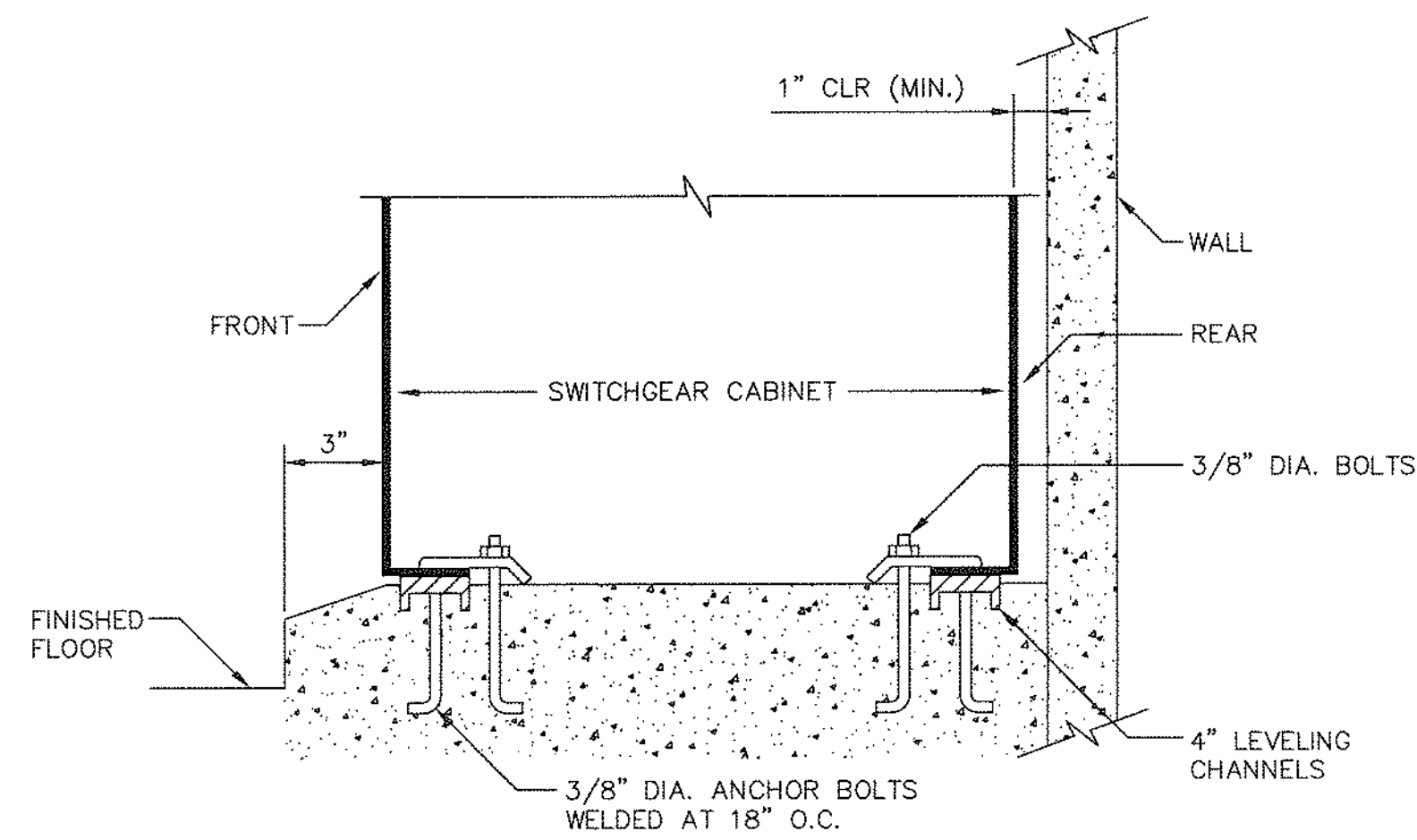


FIXTURE PROTECTION - ACOUSTICAL MATERIAL- FIVE SIDED ENCLOSURE, CONSTRUCTED FROM THE 5/8\"/>

MOUNTING DETAIL - RECESSED FIXTURE W/ FIRE PROTECTION (A)
NOT TO SCALE REQUIRED AT 1-HOUR CEILINGS

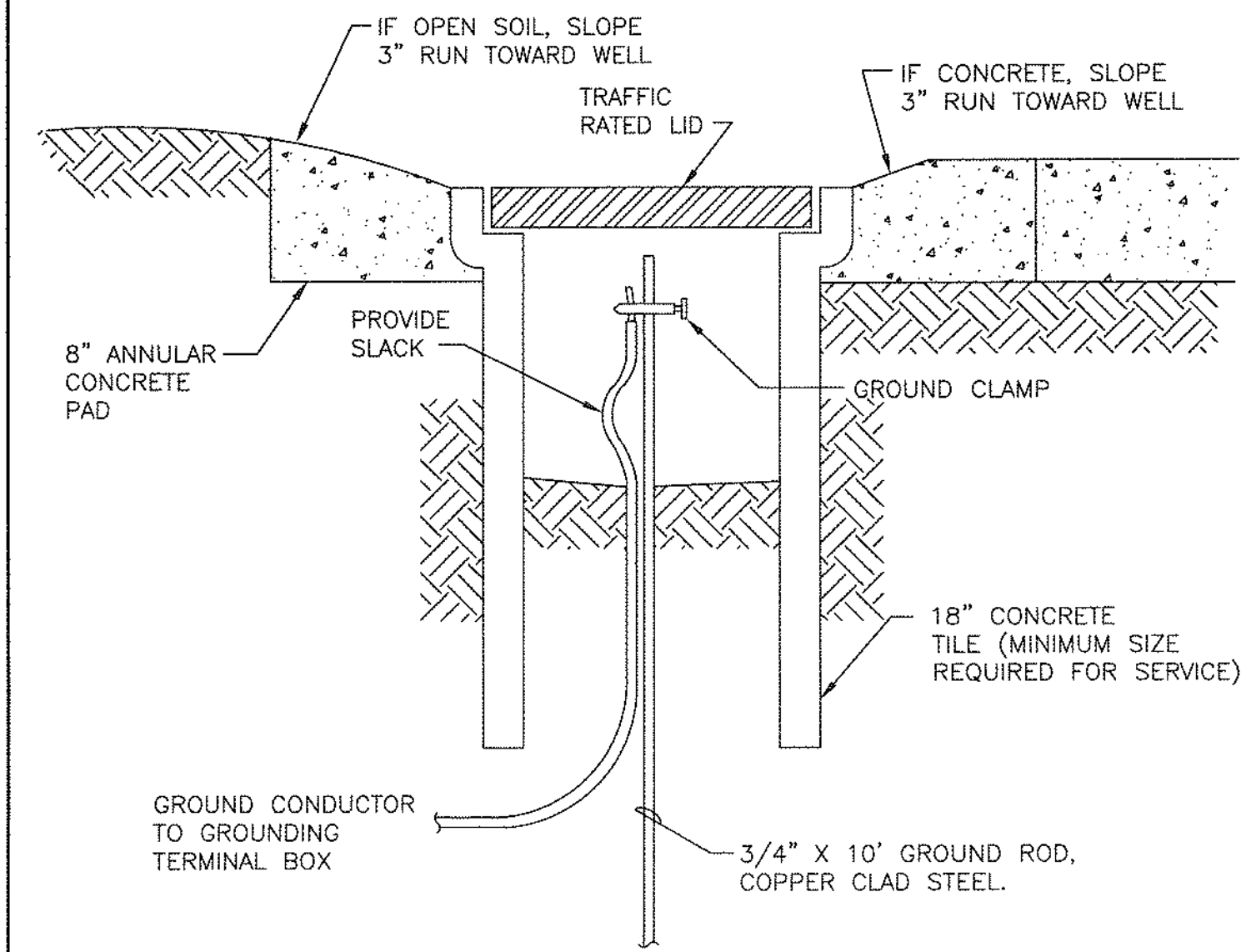


SURFACE MOUNT LIGHT FIXTURE (B)
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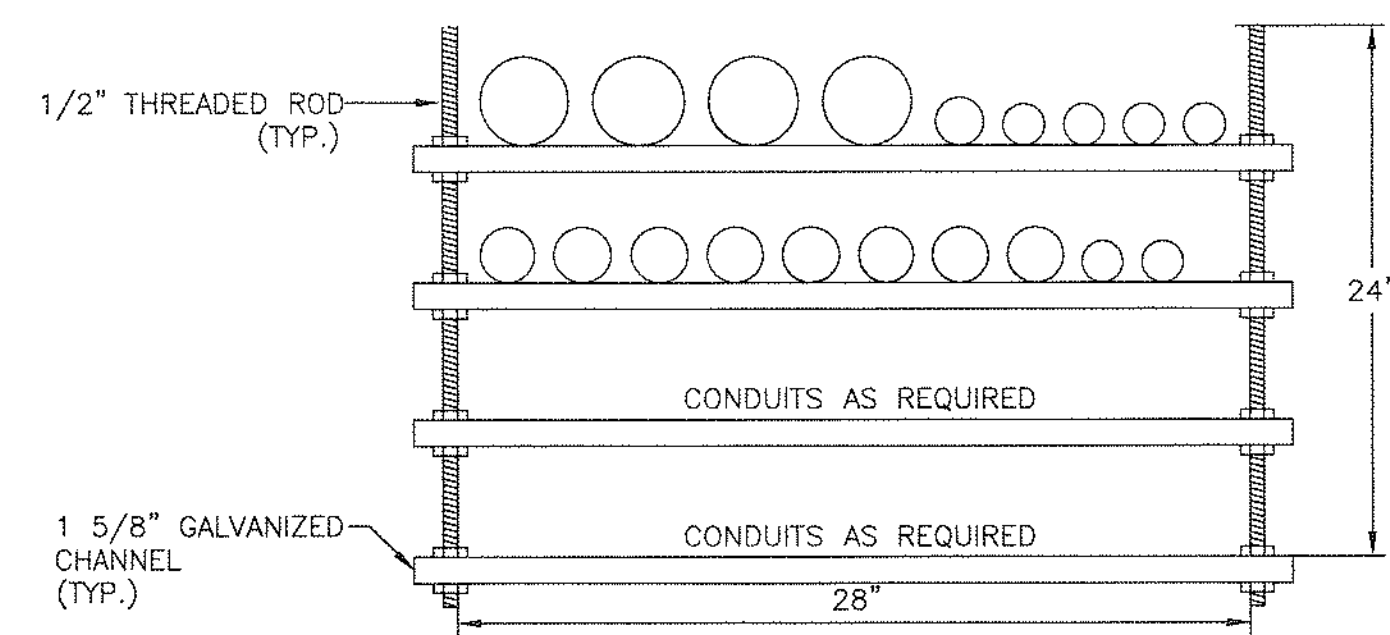


NOTE:
1. PROVIDE SEISMIC BRACING PER CBC.

SWITCHGEAR MOUNTING DETAIL (C)
NOT TO SCALE

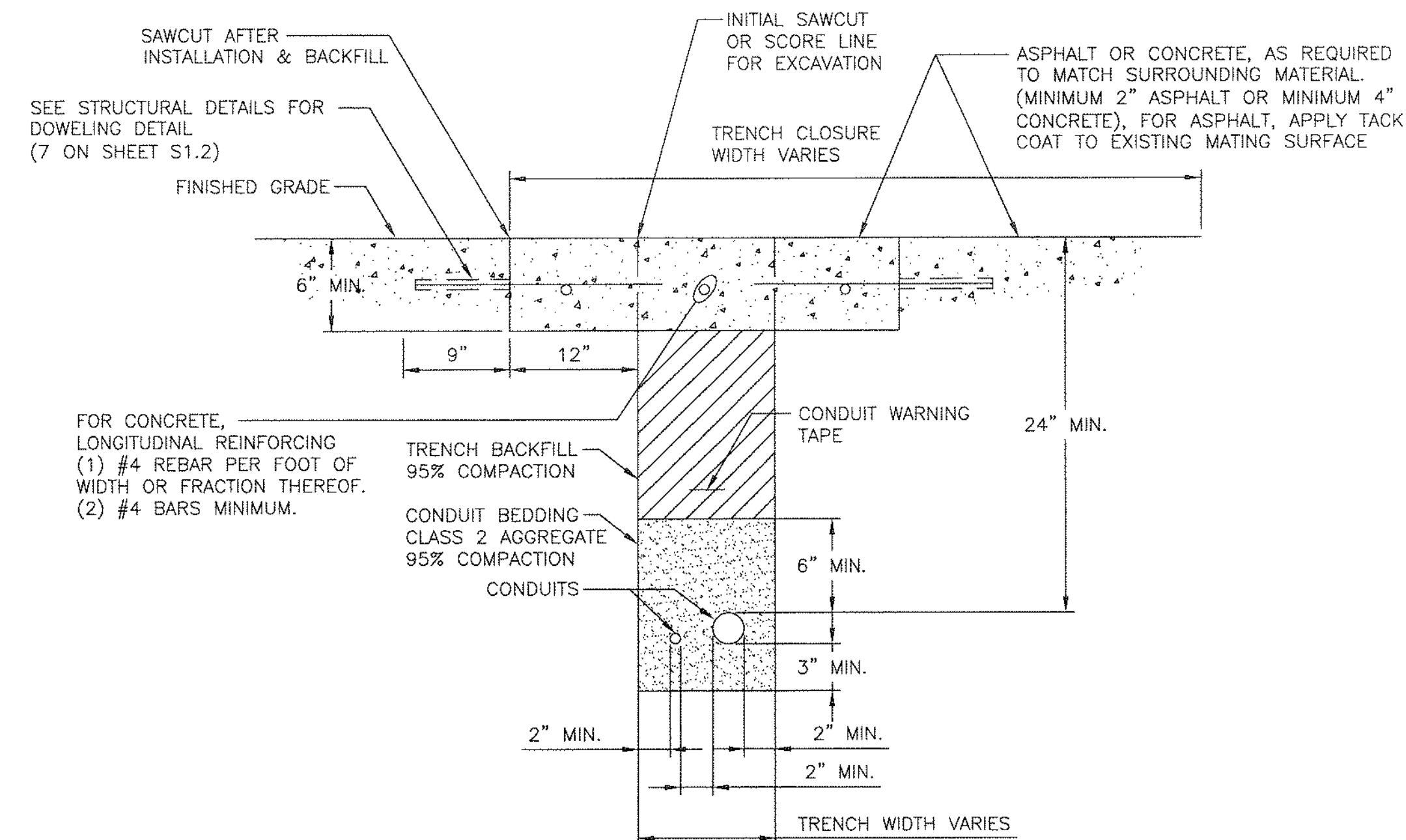


GROUND ROD WELL (D)
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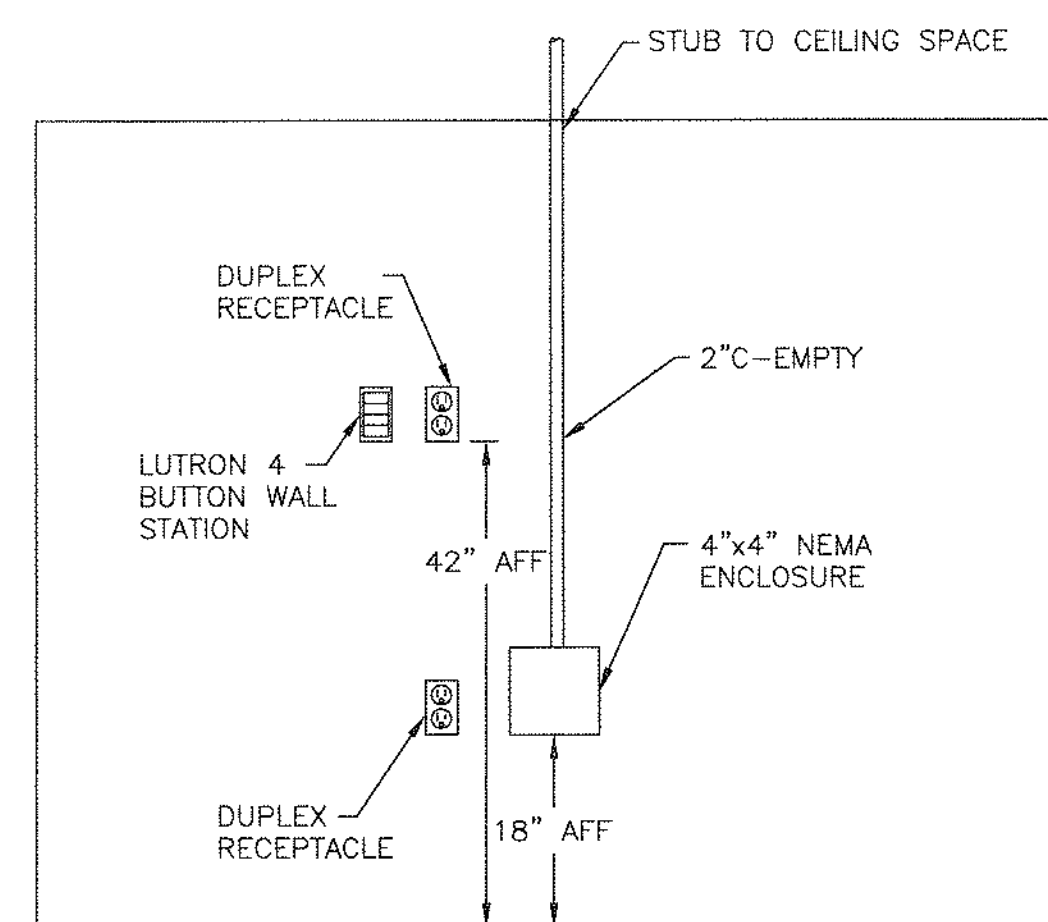


NOTE:
MAXIMUM TRAPEZE SPACING SHALL BE 10 FEET. INCREASE SIZE AND NUMBER OF SUPPORTS AS REQUIRED TO MEET SEISMIC REQUIREMENTS.

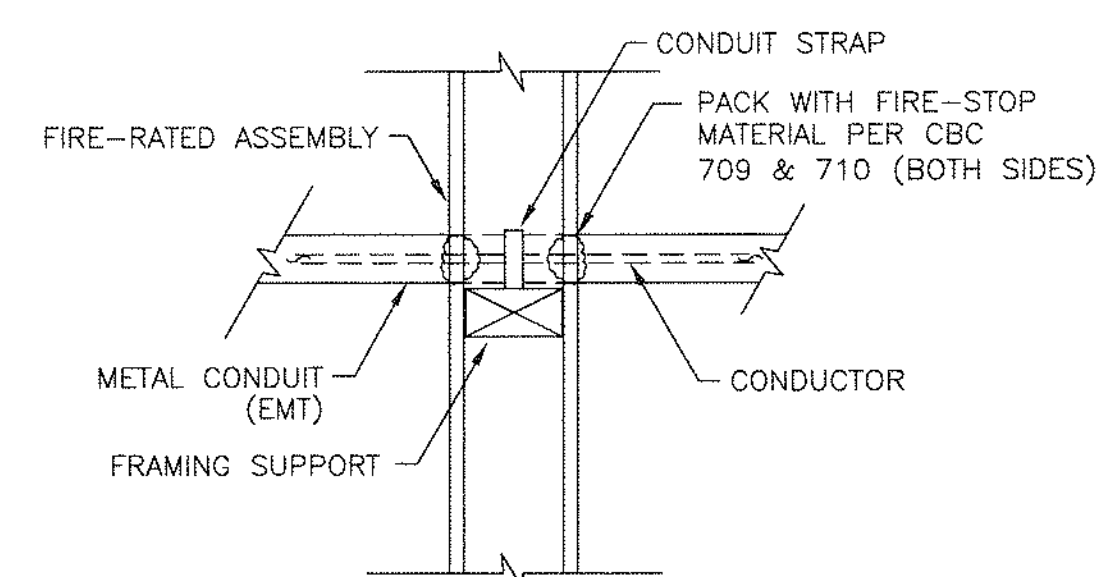
CONDUIT TRAPEZE DETAIL (E)
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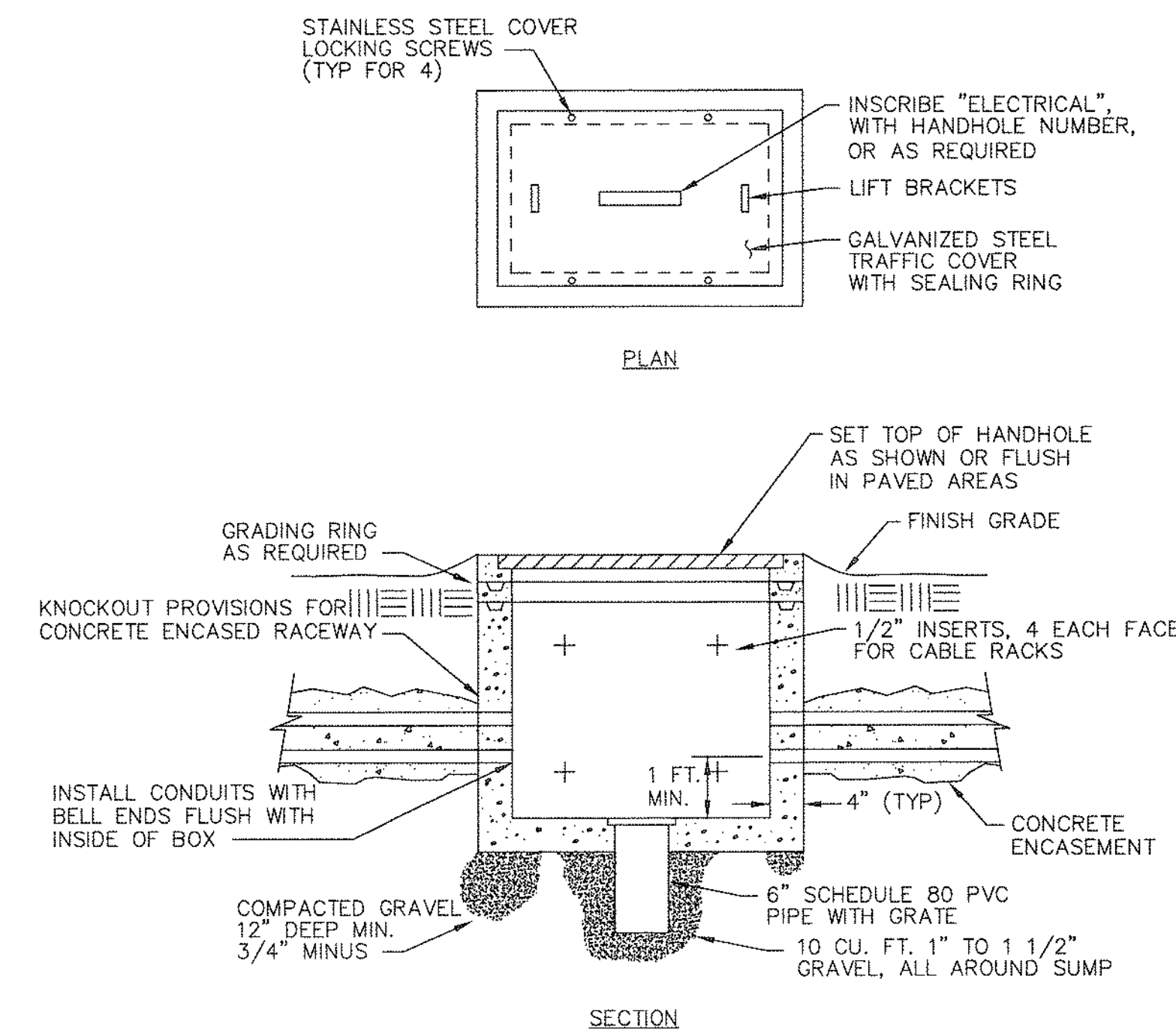
CONDUIT TRENCH THROUGH PAVED AREA (F)
NOT TO SCALE



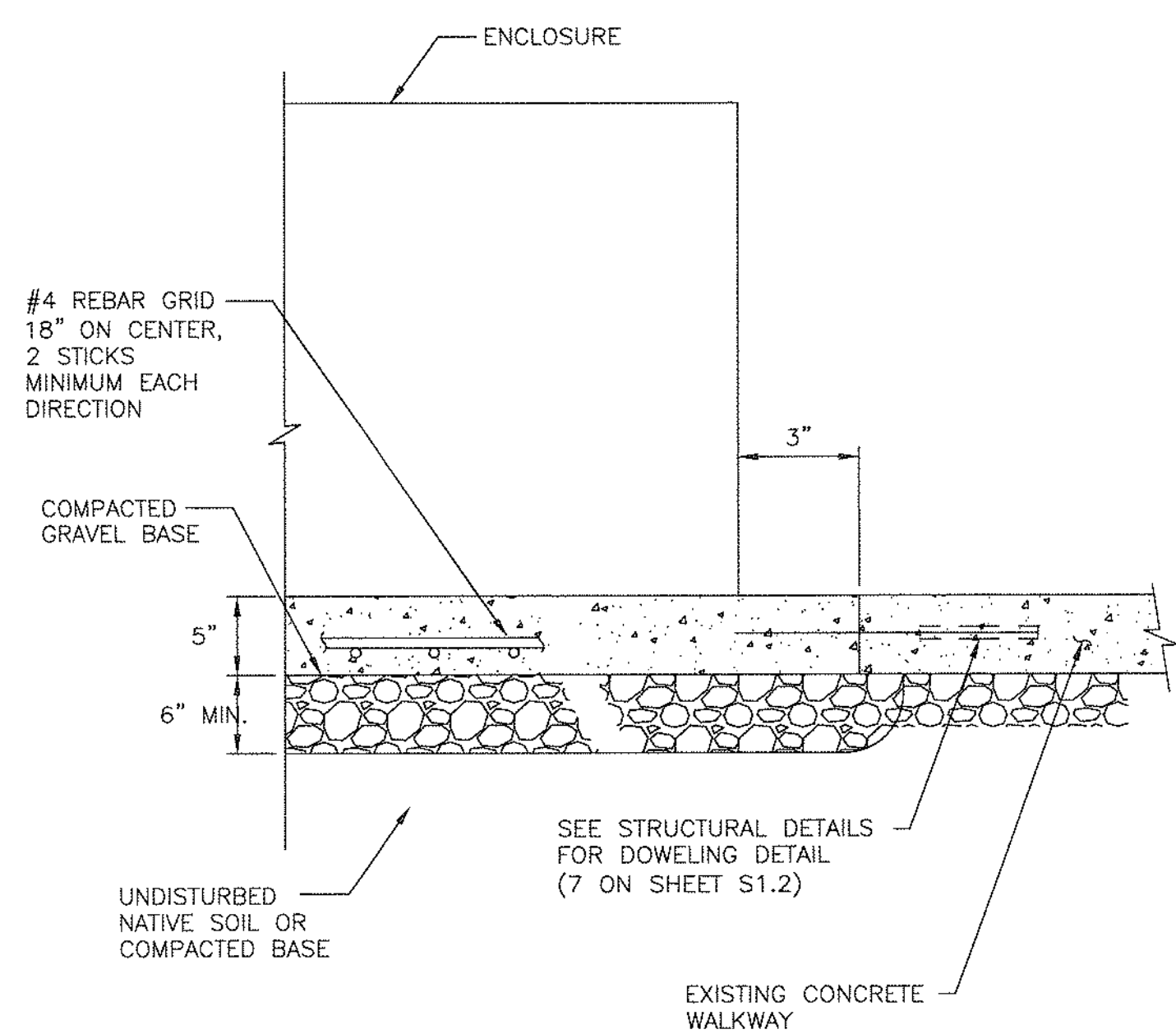
SMART PANEL LOCATION DETAIL (G)
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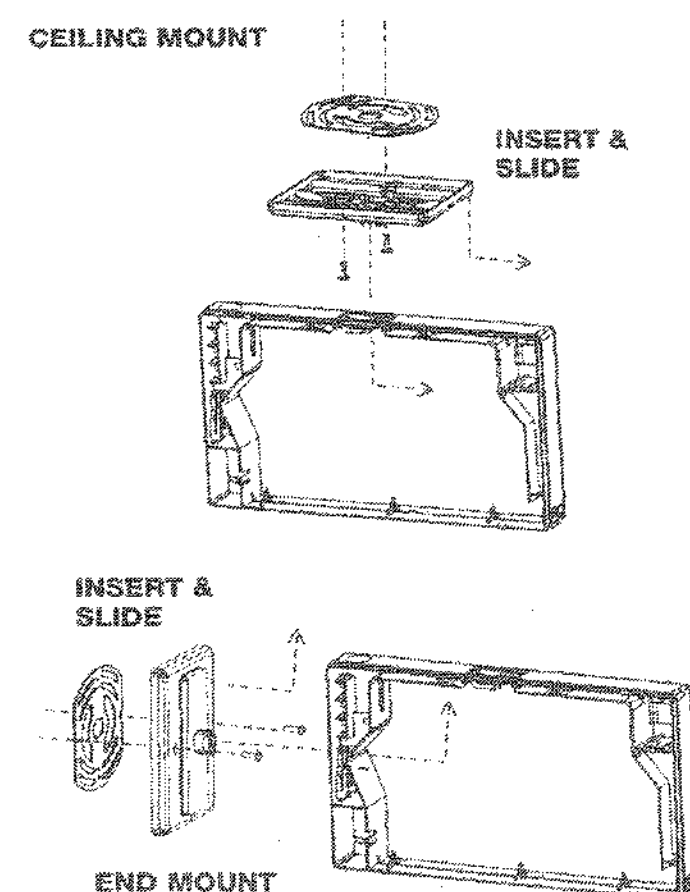
PENETRATION OF FIRE-RATED ASSEMBLY (H)
NOT TO SCALE



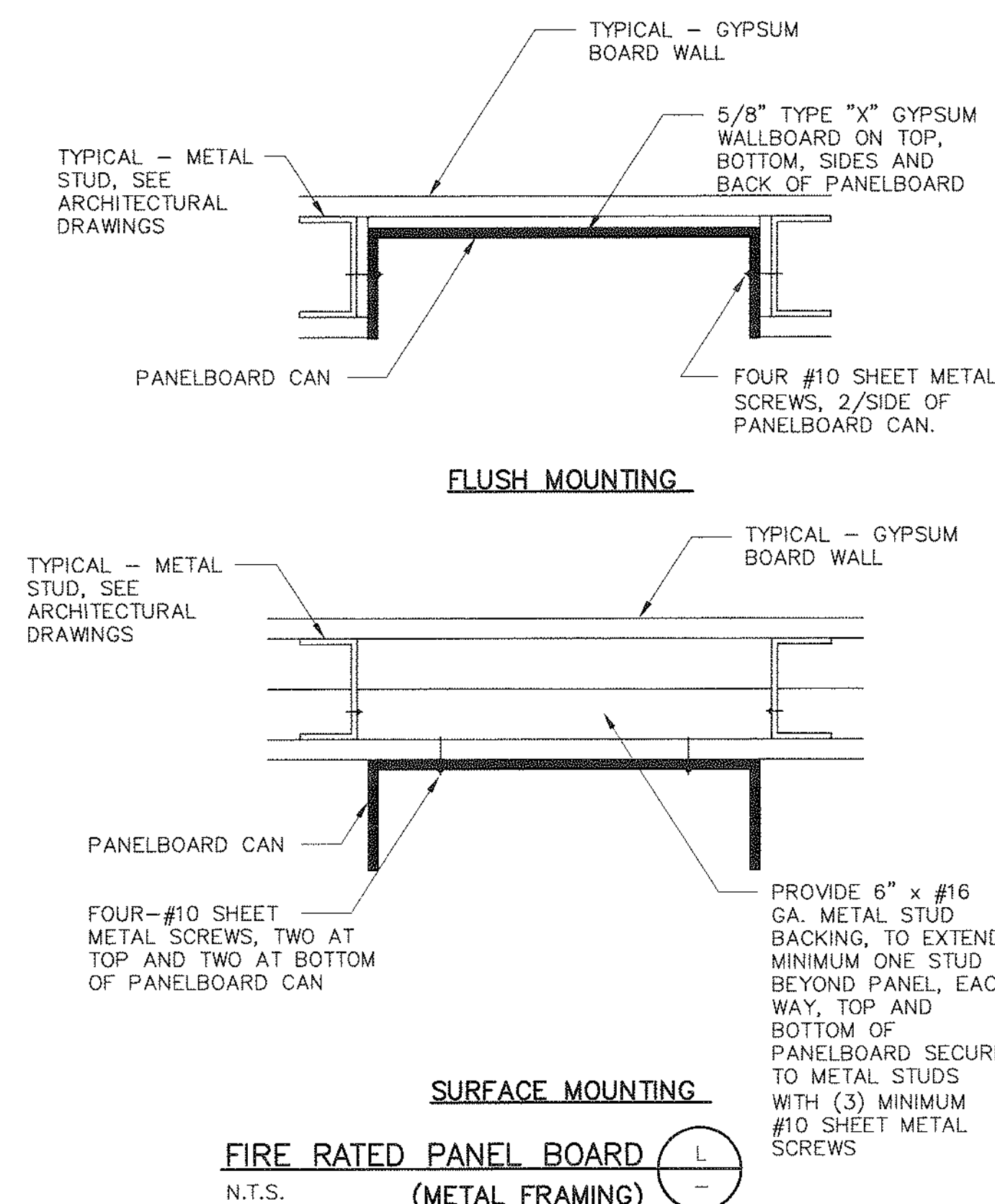
CONCRETE PULLBOX DETAIL (I)
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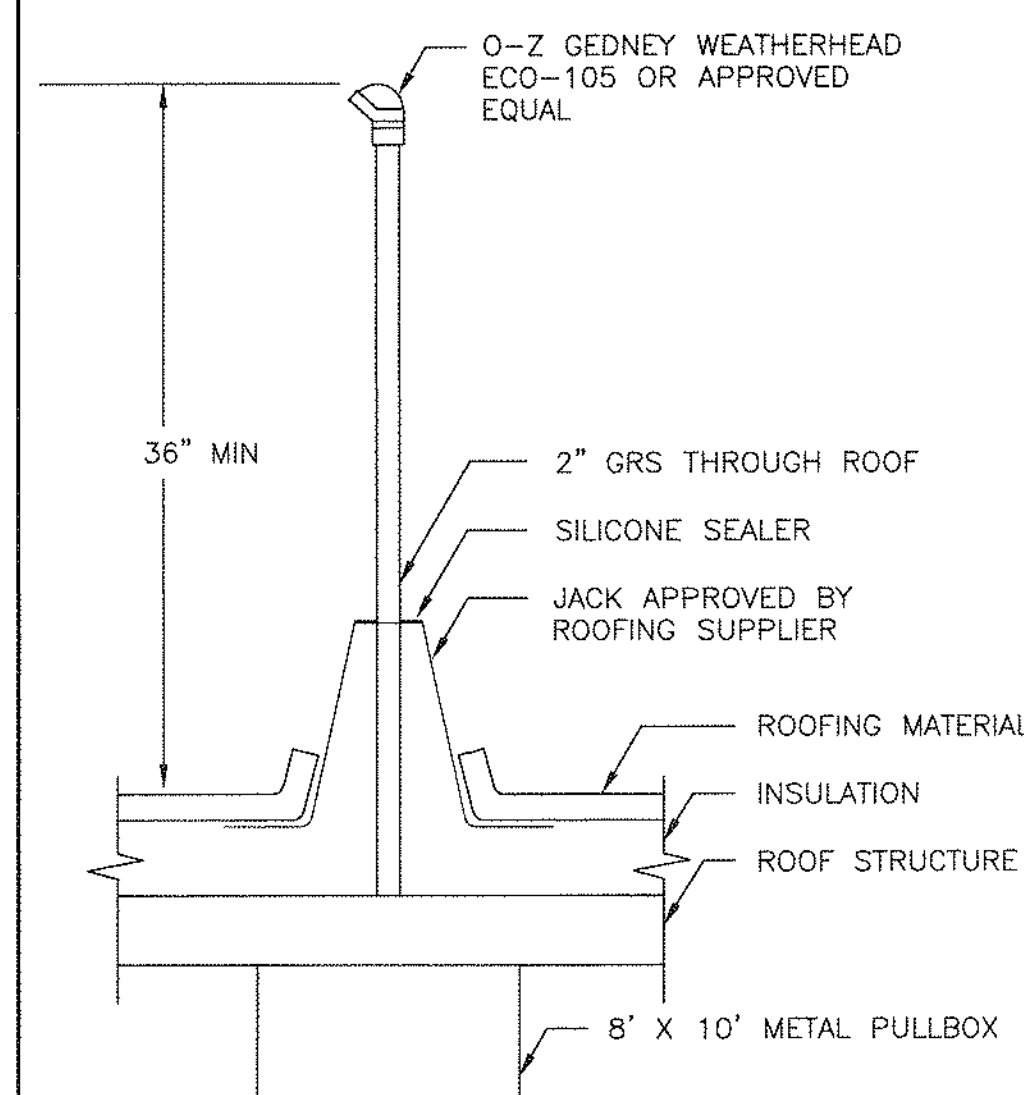
SWITCHGEAR MOUNTING PAD (J)
NOT TO SCALE



WALL MOUNTED LIGHT FIXTURE (K)
NOT TO SCALE

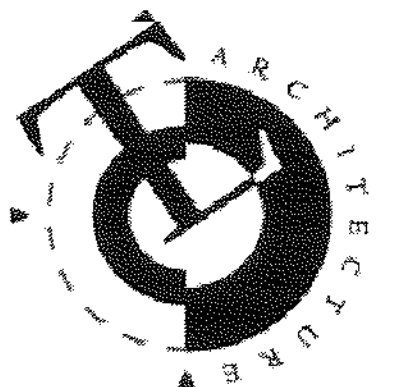


FIRE RATED PANEL BOARD (METAL FRAMING) (L)
N.T.S.



WEATHERHEAD DETAIL (M)
N.T.S.

NOTES:
1. SEE GENERAL NOTES & LEGEND ON SHEET EQ.1.



TLCD ARCHITECTURE
2300 Boynton Avenue, Suite 102
Fairfield, CA 94533
707-421-8795
FAX 707-421-8799

ArcSine engineering
A full-spectrum engineering company
800 Executive Way | Redding, CA 96002 | (530)222-7254
963 North Main | Anderson, CA 97820 | (541)462-7254
www.arcsine.com



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL: 08-108989
FILE: 48-01
PTN:
AC: FLS SS
DATE: 7-24-2007

SOLANO COMMUNITY
COLLEGE BUILDING
1800A
4000 SUISUN VALLEY ROAD
FAIRFIELD, CA 94534

SOLANO COMMUNITY
COLLEGE DISTRICT
4000 SUISUN VALLEY ROAD
SUISUN, CA.

PROJECT NUMBER:
06047.00

DATE:
JULY 24, 2007

DRAWN BY:
A. MARTINEZ (06521-10)

CHECKED BY:

REVISIONS:

DETAILS

E4.0

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TITLE 24 REPORT:

Title 24 Report for:

Solano County Community College Building 1800A
4000 Suisun Valley Road
Fairfield, CA 94534

Project Designer:

TLCD Architecture
2300 Boynton Avenue, Suite 102
Fairfield, CA 94533
707-421-8799

Report Prepared By:

ArcSine Engineering
970 Executive Way
Redding, CA 96002
(530) 222-7204

Job Number:

Date:

2/28/2007

The EnergyTite computer program has been used to perform the calculations authorized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2000 Building Energy Efficiency Standards. This program developed by EnergySoft, LLC - www.energysoft.com.

EnergyTite 4.2 by EnergySoft Job Number: User Number: 0000

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Cover Page	1
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Form LTG-1-C Certificate of Compliance	3
Form LTG-2-C Indoor Lighting Schedule	6
Form LTG-5-C Indoor Lighting Power Allowance	7

PROJECT NAME: Solano County Community College Building 1800A		DATE: 2/28/2007																																																									
PROJECT ADDRESS: 4000 Suiron Valley Road Fairfield		Building Permit #																																																									
PRINCIPAL DESIGNER: ArcSine Engineering		TELEPHONE: 530-222-7204																																																									
DOCUMENTATION AUTHOR: ArcSine Engineering		TELEPHONE: (530) 222-7204	Checked by/Date: Performance/Signatures																																																								
GENERAL INFORMATION																																																											
DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA	9,660 sq.ft.	CLIMATE TYPE 12																																																								
BUILDING TYPE	☒ NONRESIDENTIAL ☒ CONDITIONED SPACES	☒ HIGH RISE RESIDENTIAL ☐ UNCONDITIONED SPACES	HOTEL/MOTEL, GUEST ROOM INDOOR & OUTDOOR SPACES																																																								
PHASE OF CONSTRUCTION	☒ NEW CONSTRUCTION	ADDITION	ALTERATION																																																								
METHOD OF LIGHTING COMPLIANCE	☒ COMPLETE BUILDING ☐ COMMON LIGHTING	☒ AREA CATEGORY ☐ TAILORED	PERFORMANCE																																																								
STATEMENT OF COMPLIANCE																																																											
This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Parts 1 and 4 of the California Code of Regulations. This certificate applies only to building lighting requirements. The documentation prepared hereby certifies that the documentation is accurate and complete. DECLARATION AUTHOR <u>DOUG McHANEY</u> SIGNATURE <u>[Signature]</u> DATE <u>3/1/07</u> The undersigned hereby certifies that the proposed building design represented on this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted in this permit application. The proposed building has been designed to meet the lighting requirements contained in Sections 110, 119, 120, 121, 122, 148 and 149 of Title 24, Part 6. The plans & specifications meet the requirements of Part 6 (10-103.3). The installation certificates meet the requirements of Part 6 (10-103.3). The operation & maintenance information meet the requirements of Part 6 (10-103.3). Please Check One: (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.) 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 I am licensed in the State of California as a <u>business</u> engineer or 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 to sign this document as the person responsible for its preparation; and I am not a licensed contractor performing this work. I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code to sign this document as representative of a structure or type of work described as exemplar pursuant to Business and Professions Code Sections 5537, 5538 and 67337. PRINCIPAL LIGHTING DESIGNER - NAME <u>ArcSine Engineering</u> SIGNATURE <u>[Signature]</u> DATE <u>3/1/07</u> LIC. # <u>E013928</u> <tr> <td colspan="4">LIGHTING MANDATORY MEASURES</td> </tr> <tr> <td colspan="4">Indicate location on plans of Note Block for Mandatory Measures</td> </tr> <tr> <td colspan="4">LIGHTING COMPLIANCE FORMS & WORKSHEETS (Check one if applicable & highlight)</td> </tr> <tr> <td>AL.TG-1-C, Parts 1 of 4 and 2 of 4</td> <td colspan="3">Certificate of Compliance Part 1 of 4 and 2 of 4 are required for all submittals</td> </tr> <tr> <td>AL.TG-1-C, Part 3 of 4</td> <td colspan="3">☒ Certificate of Compliance Part 3 of 4 submittal is required only if Control Circuits are classified</td> </tr> <tr> <td>AL.TG-2-C</td> <td colspan="3">☒ Certificate of Compliance Part 4 of 4 submittal is required when lighting controls are installed</td> </tr> <tr> <td>LTG-3-C</td> <td colspan="3">Portable Lighting Worksheet</td> </tr> <tr> <td>XL.TG-4-C</td> <td colspan="3">Lighting Controls Credit Worksheet</td> </tr> <tr> <td>XL.TG-5-C</td> <td colspan="3">Indoor Lighting Power Allowance</td> </tr> <tr> <td>LTG-6-C</td> <td colspan="3">Tailored Method Worksheet</td> </tr> <tr> <td>LTG-7-C</td> <td colspan="3">Room Cavity Ratio Worksheet</td> </tr> <tr> <td>LTG-8-C</td> <td colspan="3">Common Lighting Systems Method Worksheet</td> </tr> <tr> <td>LTG-9-C</td> <td colspan="3">Line Voltage Track Lighting Worksheet</td> </tr> <tr> <td>Emerg/LC 4.3 by Emerg/LC</td> <td>Under Number: 6020</td> <td>Job Number:</td> <td>Project # at 2</td> </tr>				LIGHTING MANDATORY MEASURES				Indicate location on plans of Note Block for Mandatory Measures				LIGHTING COMPLIANCE FORMS & WORKSHEETS (Check one if applicable & highlight)				AL.TG-1-C, Parts 1 of 4 and 2 of 4	Certificate of Compliance Part 1 of 4 and 2 of 4 are required for all submittals			AL.TG-1-C, Part 3 of 4	☒ Certificate of Compliance Part 3 of 4 submittal is required only if Control Circuits are classified			AL.TG-2-C	☒ Certificate of Compliance Part 4 of 4 submittal is required when lighting controls are installed			LTG-3-C	Portable Lighting Worksheet			XL.TG-4-C	Lighting Controls Credit Worksheet			XL.TG-5-C	Indoor Lighting Power Allowance			LTG-6-C	Tailored Method Worksheet			LTG-7-C	Room Cavity Ratio Worksheet			LTG-8-C	Common Lighting Systems Method Worksheet			LTG-9-C	Line Voltage Track Lighting Worksheet			Emerg/LC 4.3 by Emerg/LC	Under Number: 6020	Job Number:	Project # at 2
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Emerg/LC 4.3 by Emerg/LC	Under Number: 6020	Job Number:	Project # at 2																																																								

[illegible]

PROJECT NAME Solaro County Community College Building 1800A	DATE 2/28/2007
Designer: This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for lighting systems. The designer is required to check the boxes by all acceptance tests that apply and list all equipment that require an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems to be tested in parentheses. The NJ number designates the Section in the Appendix of the Nonresidential ACM Manual that describes the test. Also indicate the person responsible for performing the tests (i.e. the installing contractor, design professional or an agent selected by the owner). 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.	
Building Departments: Before an occupancy permit is granted for a newly constructed building or space, or a new lighting system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. In addition a Certificate of Acceptance, LTG-1-A, Forms shall be submitted to the building department that: A. Certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of 101-103(b) and Title 24 Part 8.	
Test Designed By:	Test Performed By:
☐ LTG-2-A: Lighting Control Acceptance Document - Occupancy Sensor Acceptance - Manual Daylight Controls Acceptance - Automatic Time Switch Control Acceptance Equipment requiring acceptance testing _____	
☐ LTG-2-3-A: Automatic Daylighting Controls Acceptance Document Equipment requiring acceptance testing _____	

[illegible]

PROJECT NAME	Solano County Community College Building 1800A			DATE	2/28/2007
<u>ALLOWED LIGHTING POWER (Choose One Method)</u>					
COMPLETE BUILDING METHOD - CONDITIONED SPACES					
BUILDING CATEGORY (From Section 146 Table 146-B)	WATTS PER SF	COMPLETE BLDG. AREA	ALLOWED WATTS		
AREA CATEGORY METHOD - CONDITIONED SPACES					
AREA CATEGORY (From Section 146 Table 146-C)	WATTS PER SF	AREA (SF)	ALLOWED WATTS		
Office	1.20	6,608	7,930.		
Corridor/Restroom/Support	0.60	2,423	1,454		
Electrical, Mechanical Room	0.70	136	95		
Theater, Motion Picture	0.90	493	444		
PAGE TOTAL		9,660	9,922		
BUILDING TOTAL		9,660	9,922		
		AREA	WATTS		
TAILORED METHOD - UNCONDITIONED SPACES					
	TOTAL ALLOWED WATTS (From LTG-6-C or from computer run.)		0		
UNCONDITIONED SPACES					
Complete Building and Area Category Methods Category (From Section 146 Table 146-B&C)	WATTS PER SF	AREA (SF)	ALLOWED WATTS		
PAGE TOTAL		0	0		
BUILDING TOTAL		0	0		
		AREA	WATTS		
TAILORED METHOD - UNCONDITIONED SPACES					
TOTAL UNCONDITIONED SPACES ALLOWED WATTS (From LTG-6-C and LTG-6-D)			0		

EnergyPro 4.3 by EnergySoft

User Number: 0020

Job Number:

Page 7 of 7

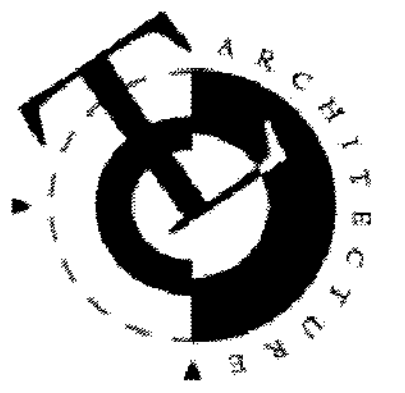
X	BUILDING LIGHTING SHUT-OFF FOR THE BUILDING LIGHTING SHUT-OFF SWITCH ONES AT EACH FLOOR OR AREA WITH A ZONE FOR EACH FLOOR OR APPROVED MEANS OF AUTOMATIC CONTROL.	X	INDIVIDUAL ROOM AND AREA CONTROLS EACH ROOM AND AREA IN THIS BUILDING IS EQUIPPED WITH A SWITCH OR OCCUPANCY SENSOR DEVICE FOR EACH AREA WITH FLOOR-TO-CEILING WALLS.
	OVERIDE FOR BUILDING LIGHTING SHUT-OFF THE AUTOMATIC BUILDING LIGHTING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUALLY ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE SYSTEM SHALL BE NOT TO EXCEED 5,000 SQUARE FEET.		UNIFORM REDUCTION FOR INDIVIDUAL ROOMS ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET SHALL HAVE 1.2 WATTS PER SQUARE FOOT OF LIGHTING AND SHALL BE CONTROLLED BY A BIL-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM.
	AUTOMATIC CONTROL DEVICES CERTIFIED ALL AUTOMATIC CONTROL DEVICES SPECIFIED ARE CERTIFIED AND ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND APPROVED BY THE MANUFACTURER.	NA	DAYLIT AREA CONTROL ALL ROOMS WITH WINDOWS AND DAYLIGHTS, THAT ARE GREATER THAN 250 SQUARE FEET, AND THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGHT BY THE SPACE SHALL HAVE SOK BY THE MAPS AND DAYLIT AREA CONTROL BY A SEPARATE SWITCH.
X	FLOURESCENT BALLAST AND LUMINOUS CERTIFIED ALL FLOURESCENT BALLASTS AND LUMINOUS FOR THE PROJECT ARE CERTIFIED AND LISTED IN THE DIRECTORY. ALL INSTALLED FLOURESCENT BALLASTS ARE CERTIFIED.	NA	CONTROL OF EXTERIOR LIGHTS EXTERIOR MOUNTED FIXTURES SERVED FROM THE ELECTRICAL PANELS IN THE BUILDING ARE OPERATED WITH PHOTO CELL CONTROL AND/OR AUTOMATIC TIME SWITCH CONTROL.
X	TANDED WIRING FOR TWO-LAMP BALLASTS ALL ONE AND THREE LAMP FLOURESCENT SYSTEM SHALL BE TANDMED WIRED WITH TWO (2) LAMP BALLASTS.		

1. SEE GENERAL NOTES & LEGEND ON SHEET E0.1.

APPL: 02-08751
FILE: 98-01
PTN: _____

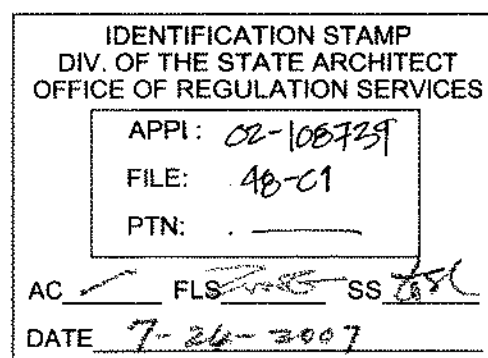
AC _____ FLS 2008 SS 458
DATE 7-24-2007

E5.0



TLCD ARCHITECTURE

2300 Boynton Avenue, Suite 102
Fairfield, CA 94533
707-421-8795
FAX 707-421-8799



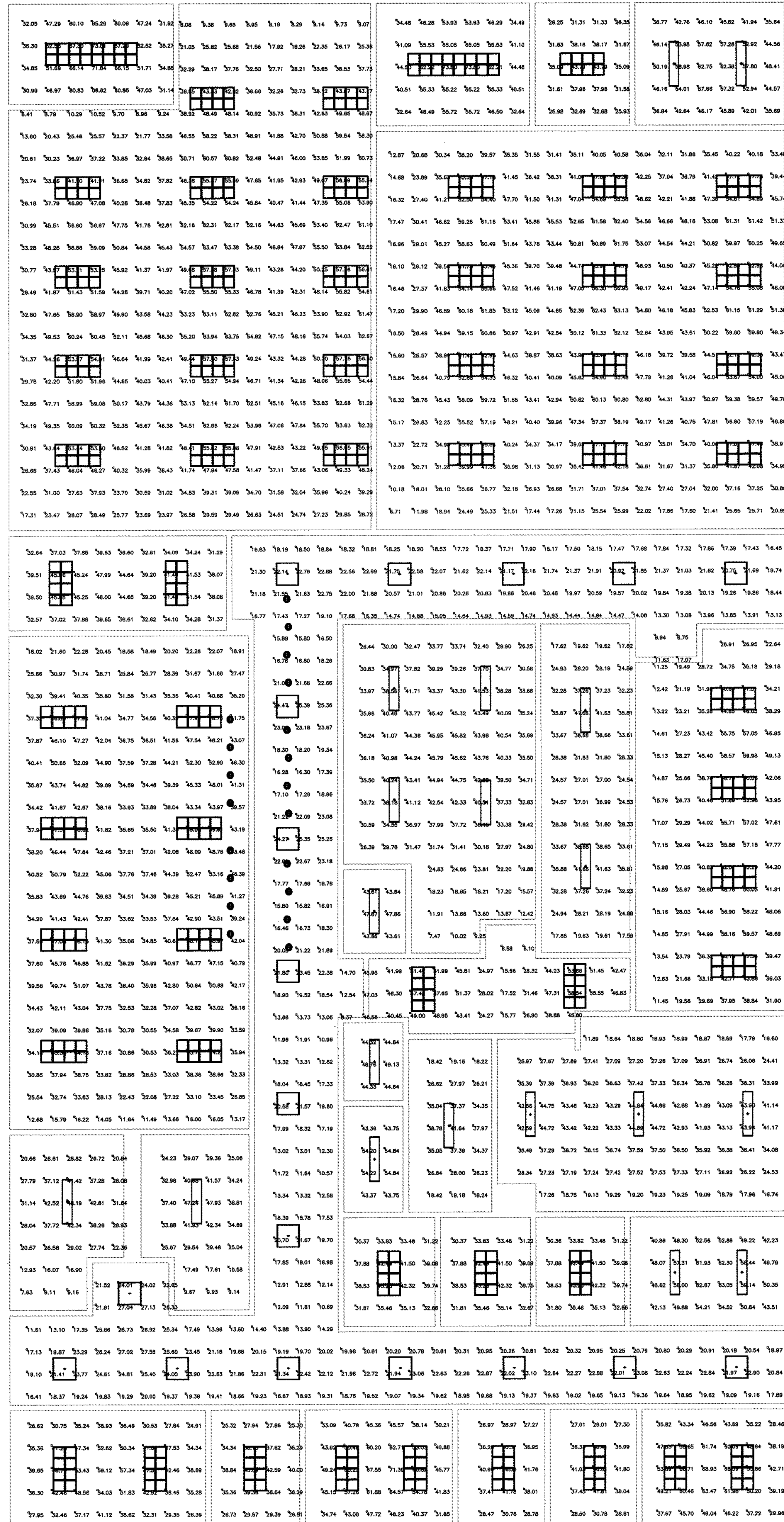
SOLANO COMMUNITY
COLLEGE BUILDING
1800A
4000 SUISUN VALLEY ROAD
FAIRFIELD, CA 94534

SOLANO COMMUNITY
COLLEGE DISTRICT
4000 SUISUN VALLEY ROAD
SUISUN, CA.

PROJECT NUMBER:
06047.00
DATE:
JULY 24, 2007
DRAWN BY:
A. MARTINEZ (065211-12)
CHECKED BY:
REVISIONS:

PHOTOMETRIC PLOT

E6.0



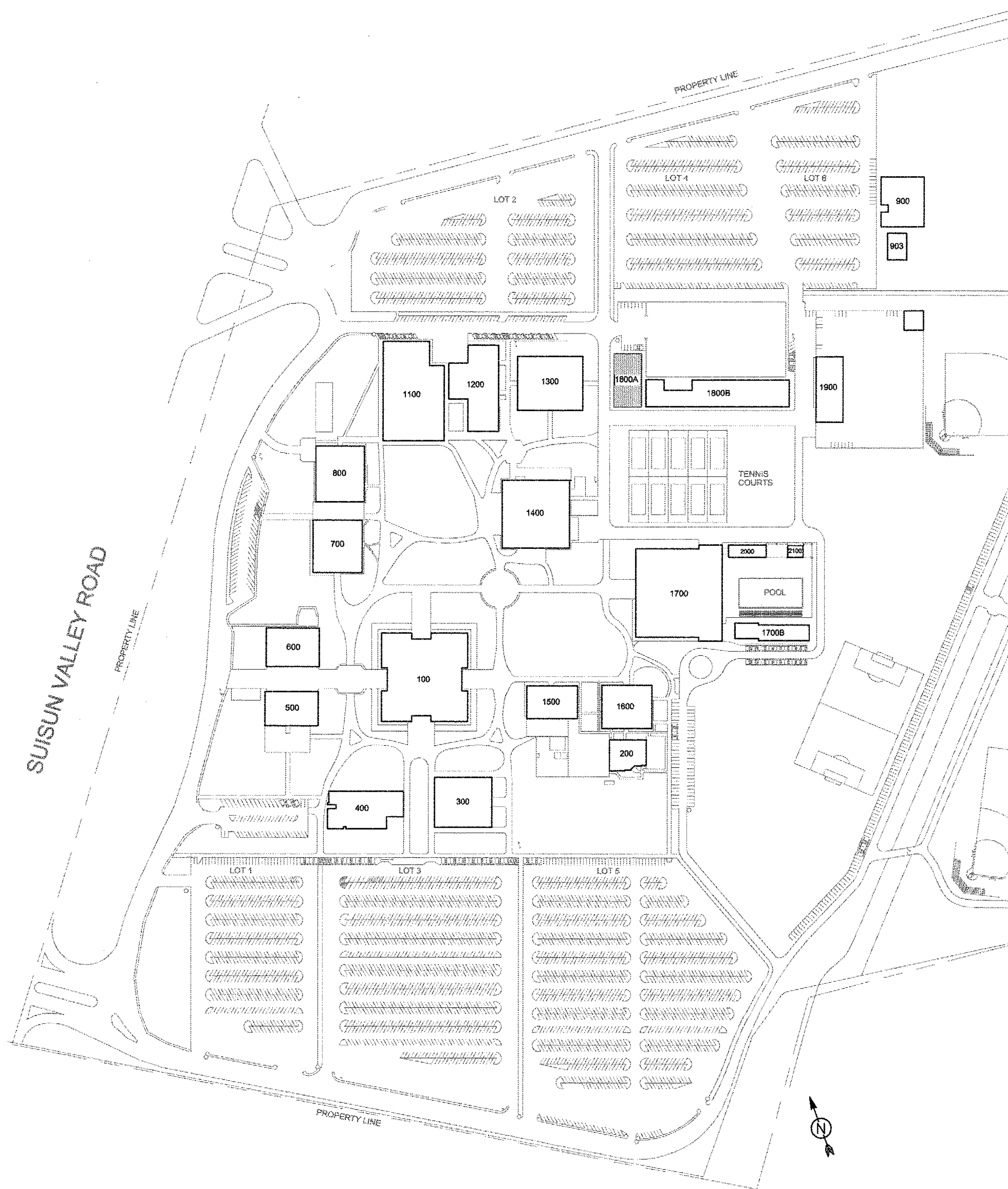
PHOTOMETRIC PLOT
SCALE: 3/16" = 1'-0"



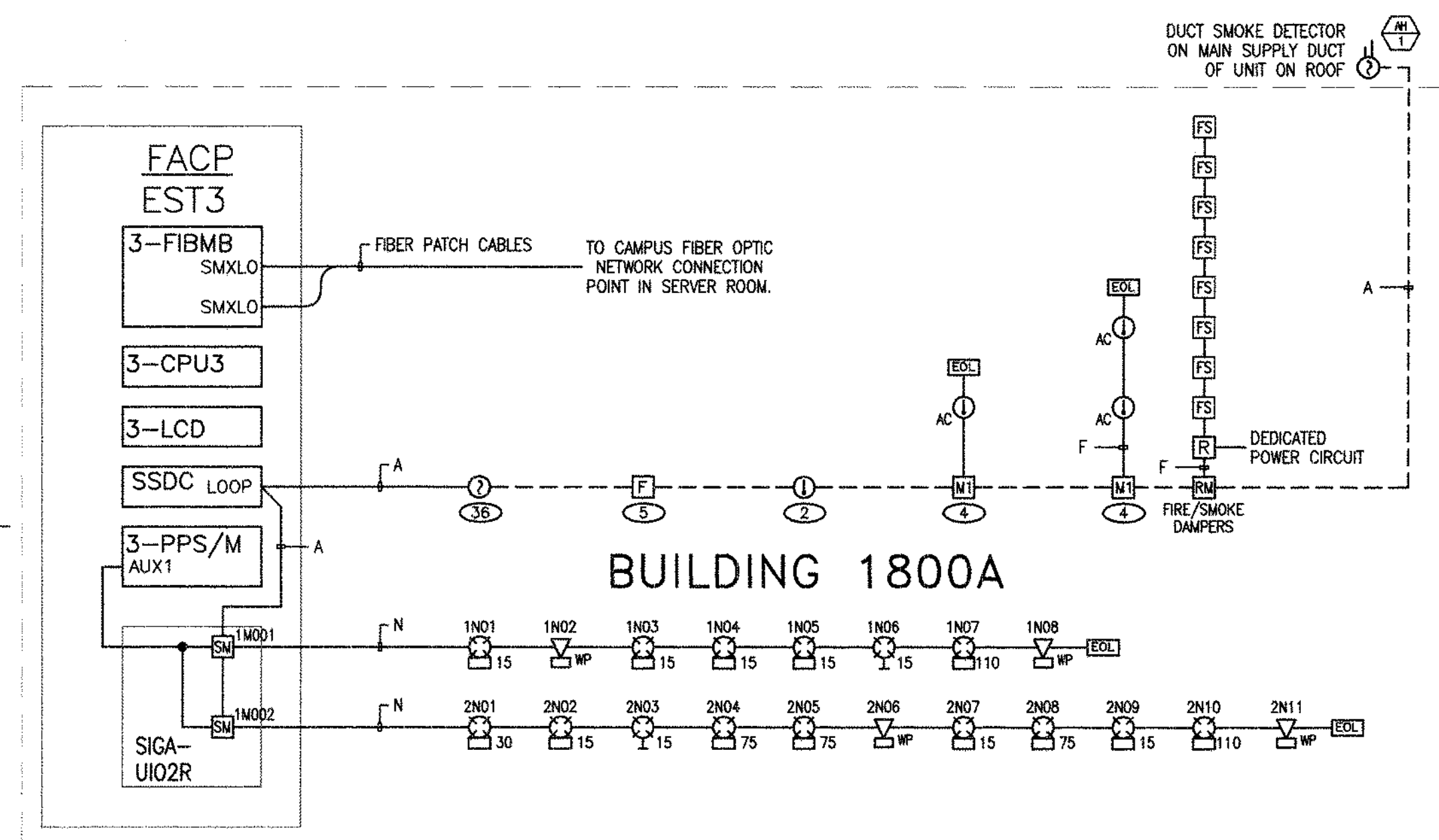
1" = 1' SCALE
BAR EQUALS ONE
INCH WHEN DRAWING
IS PLOTTED FULL SIZE.
IF NOT, SCALE ACCORDINGLY

NOTES:
1. SEE GENERAL NOTES & LEGEND ON
SHEET E0.1.

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SOLANO COMMUNITY COLLEGE CAMPUS
1" = 200'-0"



FIRE ALARM ONE-LINE DIAGRAM
NO SCALE

NOTE: THIS ONE-LINE DIAGRAM SHOWS FUNCTIONAL CONNECTIONS BETWEEN SYSTEM COMPONENTS. REFER TO FLOOR PLAN FOR ROUTING REQUIREMENTS.

FIRE ALARM SEQUENCE OF OPERATION

Result of Operation	Man. Pull Station	Smoke Detector	Heat Detector	Duct Detector	Power Loss	Single Open	Single Ground	Wire-To-Wire Short (IDC)	Wire-To-Wire Short (SLC)	Wire-To-Wire Short (NAC)
Annunciate Alarm	X	X	X	X				X		
Annunciate Trouble					X	X	X		X	X
Report to Monitoring Co.	X notes 1,3	X notes 1,3	X notes 1,3	X notes 1,3	X notes 2,3	X notes 2,3	X notes 2,3	X notes 1,3	X notes 2,3	X notes 2,3
Audible Alarm	X	X	X	X				X		
Visual Alarm	X	X	X	X				X		
Shutdown HVAC				X						
Close Fire/Sm Dampers		X note 4			note 5					

Notes:
1. Alarm.
2. Trouble.
3. Reported as part of campus-wide system.
4. Fire/smoke dampers close in response to area smoke detection anywhere in building.
5. Fire/smoke dampers revert to closed without power.

NOTE: ONLY OPERATIONS IN SCOPE OF THIS PROJECT SHOWN.

SYMBOL & CABLE LEGEND

SYMBOL/CABLE	MANUFACTURER	MODEL	BACKBOX	NOTES	DESCRIPTION	CSFM LISTING	BLDG QTY
FACP	GE Security	EST3	3-RCC7R	-	Fire Alarm Control Panel Remote Closet Enclosure	7165-1657:186	1
F	GE Security	SIGA-270	4" square with single-gang ring	-	Manual Pull Station	7150-1657:129	5
①	GE Security	SIGA-IPHS SIGA-SB	4" square with 3" O-ring	-	Ion/Photo Smoke/Heat Detector Detector Base	7258-1657:123 7300-1657:120	36
②	GE Security	SIGA-HRS SIGA-SB	4" square with 3" O-ring	-	Heat Detector with Rate-of-Rise Detector Base	7270-1657:125 7300-1657:120	2
③	GE Security	SIGA-SD	in supply duct from HVAC unit	-	Addressable Duct Smoke Detector	3242-1657:223	?
AC ④	GE Security	282B-PL	4" square with 3" O-ring	above ceiling	194" Heat Detector w/rate-of-rise	7270-1657:109	13
⑤	GE Security	G1RF-VM	4" square with single-gang ring	-	Strobe, CD = candela setting	7125-1657:218	2
⑥	GE Security	G1RF-HDVM	4" square with single-gang ring	-	Horn/Strobe, CD = candela setting	7125-1657:202	13
⑦	GE Security	757-1A-T	757A-WB	-	Exterior Horn Weatherproof Backbox	7135-1657:188 7300-1657:191	4
⑧	GE Security	SIGA-MCC1S	-	inside FACP enclosure	NAC Synchronization Module	7300-1657:121	2
⑨	GE Security	SIGA-CT1	4" square with single-gang ring	-	Input Module	7300-1657:121	9
⑩	GE Security	SIGA-CR	4" square with single-gang ring	-	Control Relay Module	7300-1657:121	?
⑪	GE Security	MR-199AX-14/C	-	surface in Electrical Room	Power Relay	-	?
⑫				-	End of Line Resistor	-	-
⑬	F.B.O.	-	-	-	Fire/Smoke Damper	-	?
A	West Penn	971	-	#16 FPL	Addressable Device Cable	-	1450'
F	West Penn	971	-	#16 FPL	Initiation Device Cable	-	350'
N	West Penn	972	or equivalent	#14 FPL	Notification Appliance Cable	-	950'

SCOPE OF WORK

Provide a new Fire Alarm system throughout Building 1800A, and integrate it into the existing campus-wide system.

The system will be manual per CBC and CFC. Nonrequired coverage provided is per NFPA 72 5.5.2.4.1 and A5.5.2.4.

The Fire Alarm system is addressable, with power-limited circuits for initiation, notification, annunciation and device power distribution.

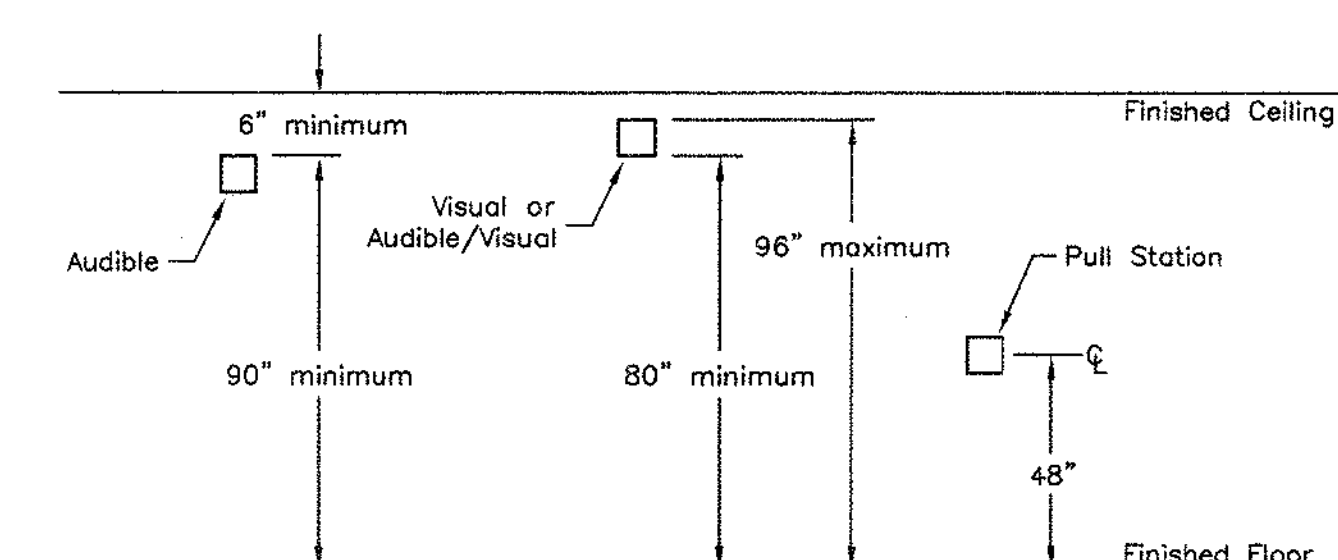
There is no site work involved, as the Fire Alarm Control Panel will be connected to the campus-wide system via the existing campus fiber-optic network.

ELECTRICAL CONTRACTOR SCOPE

Electrical Contractor to provide non-specialty backboxes, T-bar supports, raceways, clips, hangers, and electrical power circuits.

Electrical Contractor will install all boxes, including specialty backboxes, and provide and install access doors where detectors are located in inaccessible spaces.

Fire Alarm equipment provided and installed by District's Fire Alarm contractor.



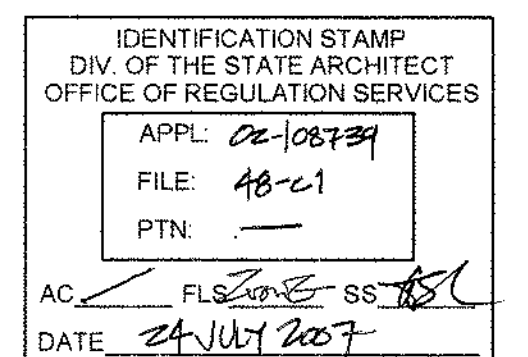
AUDIBLE APPLIANCES: Where ceiling heights allow, top of appliance shall not be less than 90" above finished floor and not less than 6" below finished ceilings (NFPA 72, 2002, 7.4.6.1). Where audible appliances are combined with visual, the requirements for visual appliances shall take precedence.

VISUAL & AUDIBLE/VISUAL APPLIANCES: The entire lens shall not be less than 80" and not greater than 96" above finished floor (NFPA 72, 2002, 7.5.4).

FIRE ALARM BOXES: Fire alarm boxes shall be mounted at 48" above finished floor to center of devices.

FIRE ALARM HEIGHT DETAIL

NO SCALE



Solano Community College Building 1800A
4000 Suisun Valley Road
Fairfield, Ca
Solano County Junior College District
4000 Suisun Valley Road
Suisun, California

PROJECT NUMBER: 06047-00
DATE: 7/24/07
DRAWN BY: TCT
CHECKED BY: TCT
REVISIONS:

FIRE ALARM SYSTEM SYMBOLS, DIAGRAMS, AND NOTES

Licensed California Contractor
License # 496881 C-7, C-10
R-Jalar Inc. dba Quality Sound
2010 E. Fremont St.
Stockton, CA 95205
Expiration Date: 8/31/08
Signature: [Signature]
Date: 8/31/08

FA0.0

FACP BATTERY CALCULATIONS

Description	Qty	Standby Current (mA)	Total Standby (mA)	Alarm Current (mA)	Total Alarm (mA)
3-PPS/M Power Supply	1	N/A	N/A	N/A	N/A
3-CPU3 Central Processor	1	145	145	155	155
3-FIBMB Multi-Mode Fiber Board	1	217	217	217	217
SMXLO single-mode transceiver	2	45	90	45	90
3-LCD LCD Module	1	38	38	38	38
3-SSDC1 SIGA Controller *	1	139	139	158	158
NAC 1N	1	--	--	663	663
NAC	1	--	--	1134	1134
TOTALS	--	--	629	--	2455

* NOTE: The SIGA Device Controller is calculated with the maximum Signature addressable device load

Battery Requirement Calculation for 24 Hours Standby and 5 Minutes Alarm:

Ampere Hours = [(Standby Current x Time) + (Alarm Current x Time)] x Derating Factor

Ampere Hours = [(0.629A x 24 hrs) + (2.455A x 0.083 hrs)] x 1.2

Ampere Hours = 18.4

BATTERIES SUPPLIED: (2) 12 Volts, 24Ampere Hours (24 Volts, 24 Ampere Hours)

NAC VOLTAGE DROP CALCULATIONS

CALCULATION: $dV = V - (2L \times K \times dI)$

Where: dV = device Voltage

V = previous device voltage (Source Voltage = 24 VDC)

K = wire AWG constant (K/k) at 167°F #14 = 3.26 (stranded/worst case)

L = wire length

dI = current

DEVICE LEGEND: S(x) = Strobe (where 'x' is candela)

HS(x) = Horn/Strobe (where 'x' is candela)

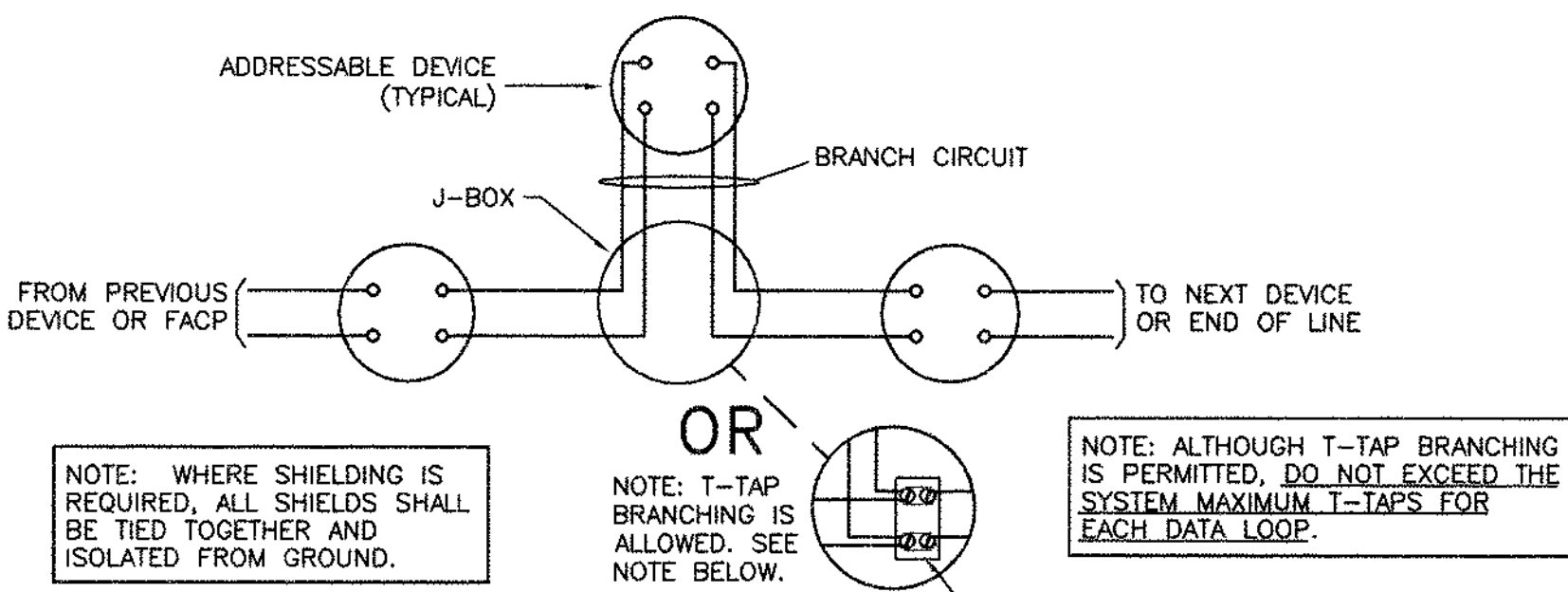
WPH = Weatherproof Horn

CIRCUIT: 1N

DEVICE ID NO	DEVICE TYPE	PREV DEV CUR (mA)	CURRENT (mA)	WIRE AWG	LENGTH (ft)	DEVICE VDC	PERCENT DROP
1N01	MHS15	N/A	663	14	25	23.89	0.45
1N02	WPH	70	593	14	45	23.72	1.18
1N03	MHS15	40	553	14	50	23.54	1.93
1N04	MHS15	70	483	14	20	23.47	2.19
1N05	MHS15	70	413	14	30	23.39	2.53
1N06	S15	70	343	14	35	23.32	2.85
1N07	MHS110	66	277	14	25	23.27	3.04
1N08	WPH	237	40	14	25	23.26	3.07

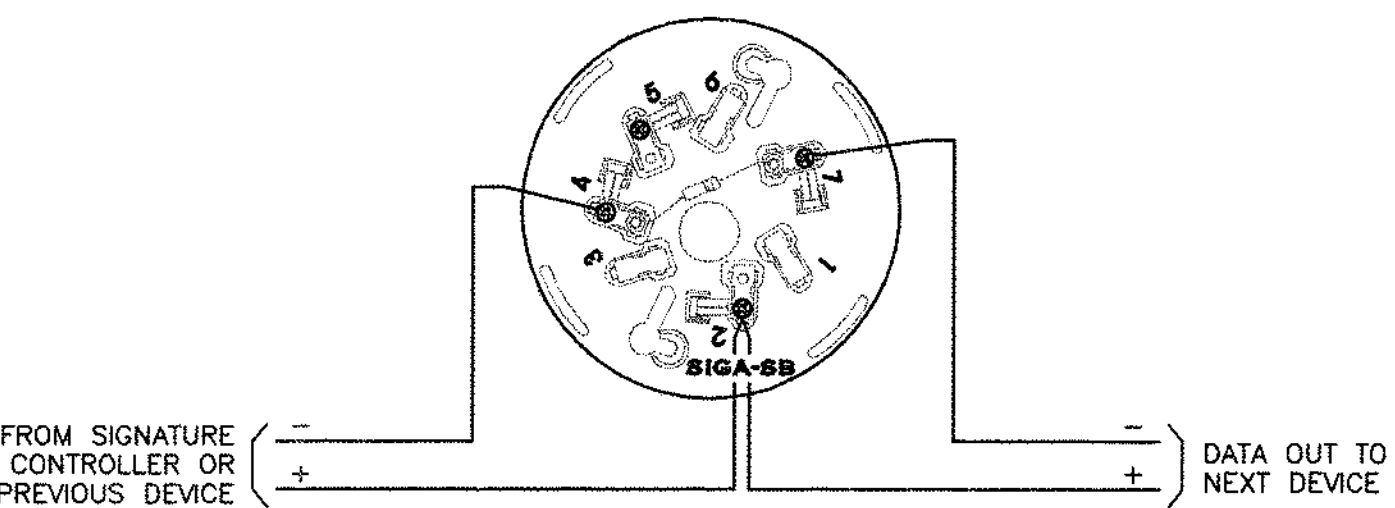
CIRCUIT: 2N

DEVICE ID NO	DEVICE TYPE	PREV DEV CUR (mA)	CURRENT (mA)	WIRE AWG	LENGTH (ft)	DEVICE VDC	PERCENT DROP
2N01	MHS30	N/A	1134	14	35	23.74	1.08
2N02	MHS15	99	1035	14	5	23.71	1.22
2N03	S15	70	965	14	15	23.61	1.81
2N04	MHS75	66	899	14	30	23.44	2.34
2N05	WPH	196	713	14	15	23.37	2.64
2N06	MHS15	40	673	14	25	23.26	3.08
2N07	MHS15	70	603	14	45	23.08	3.83
2N08	MHS75	70	533	14	15	23.03	4.05
2N09	MHS15	186	347	14	40	22.94	4.42
2N10	MHS110	70	277	14	25	22.89	4.61
2N11	WPH	237	40	14	70	22.87	4.89



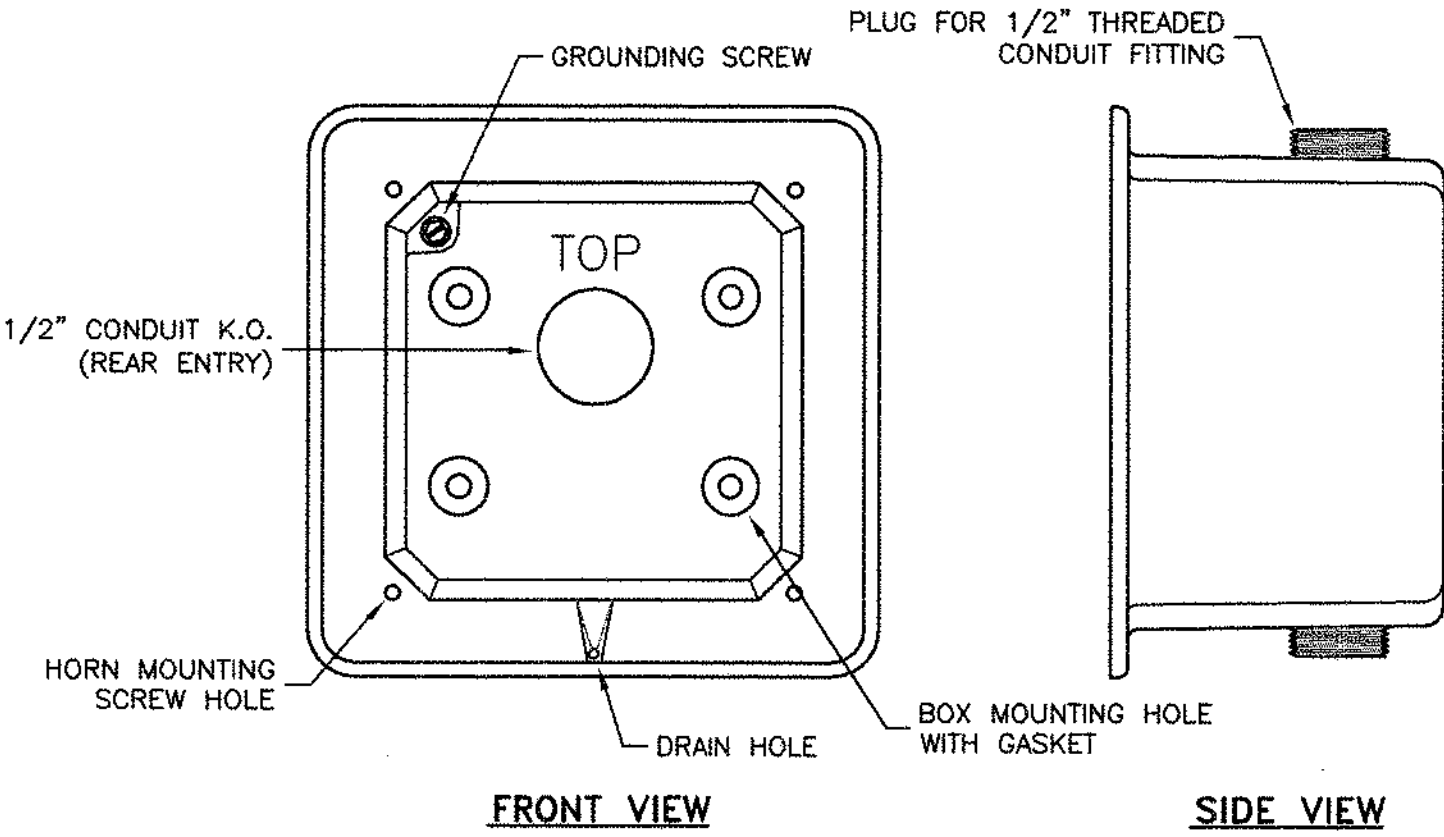
ADDRESSABLE (SLC) CIRCUIT WIRING DETAIL

NO SCALE



"SIGA-SB" ADDRESSABLE DETECTOR BASE DETAIL

NO SCALE

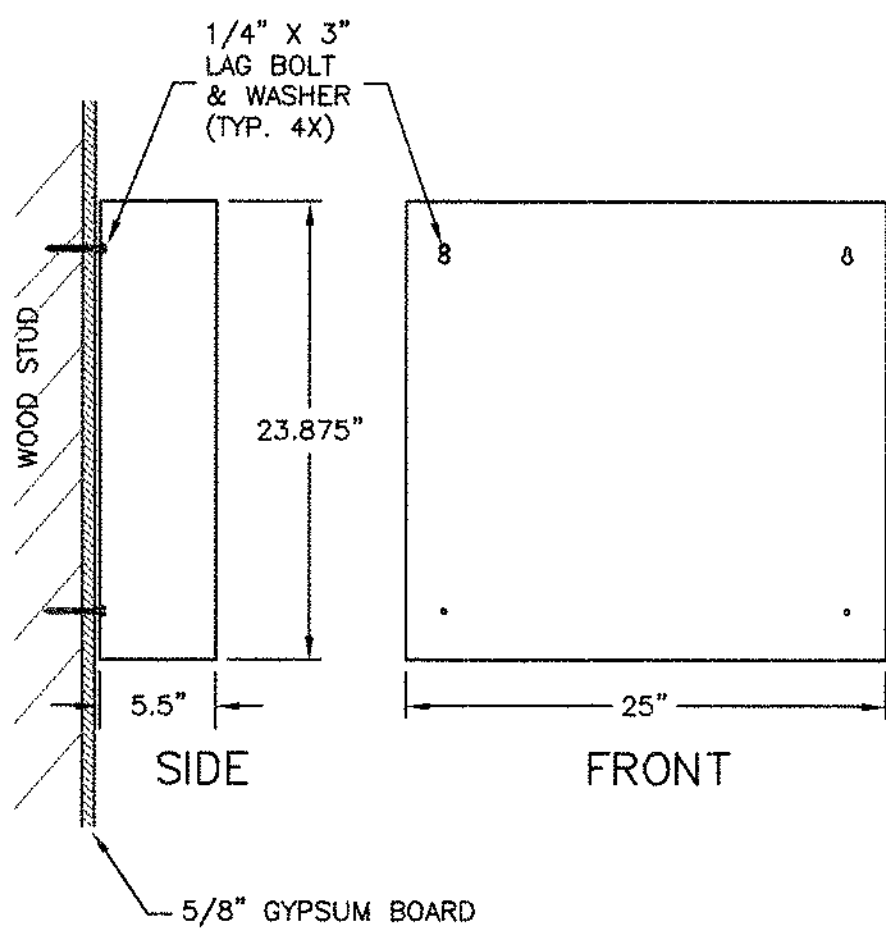


NOTES:

- Orient backbox so that "TOP" is toward the top. This allows any accumulated moisture to drain via the drain hole.
- Backbox is a surface mounted device. Use the appropriate fastener to mount the backbox. Use the four (4) mounting holes with gaskets to ensure a waterproof seal.
- Only use the conduit entrances already supplied with backbox. Seal the conduit entrance using exterior caulking or thread sealing tape.
- Save supplied gasket for installation when horn is installed.
- If required by code, ground backbox with a reliable ground source using the grounding screw provided with the backbox.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MOUNTING BACKBOX CORRECTLY IN LOCATION REQUIRED. ANY DISCREPANCY THAT VIOLATES CODE REQUIREMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

757A-WB WEATHERPROOF BACKBOX DETAIL

1/2" = 1"

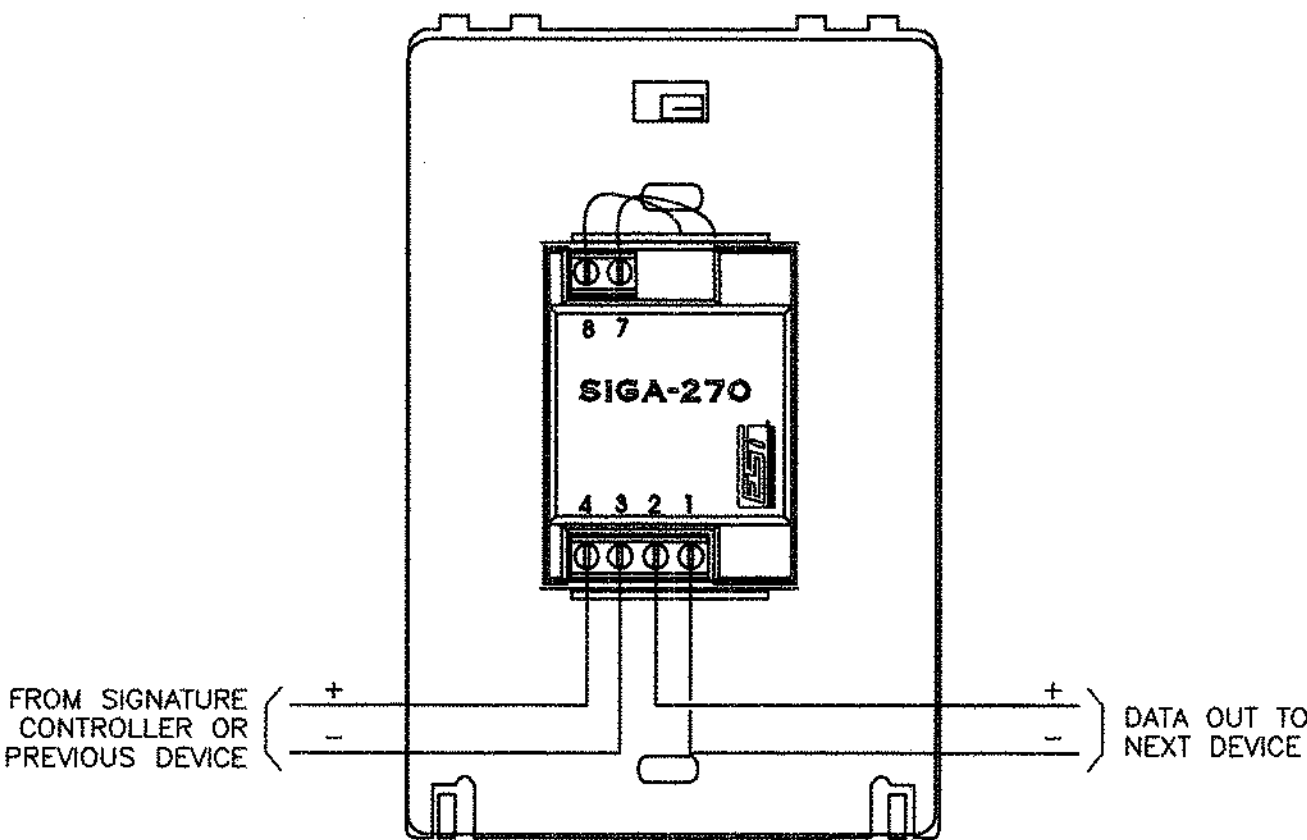


FACP WEIGHT:

- (1) 3-RCCT7R Cabinet & Door = 37.5 lbs
- (1) 3-CHAS7 Chassis @ 8.4 lbs = 8.4 lbs
- (1) 3-PPS/M Power Supply = 5.0 lbs
- (2) 12V24A-H Battery @ 20 lbs = 40.0 lbs
- TOTAL WEIGHT (nominal maximum) = 90.9 lbs

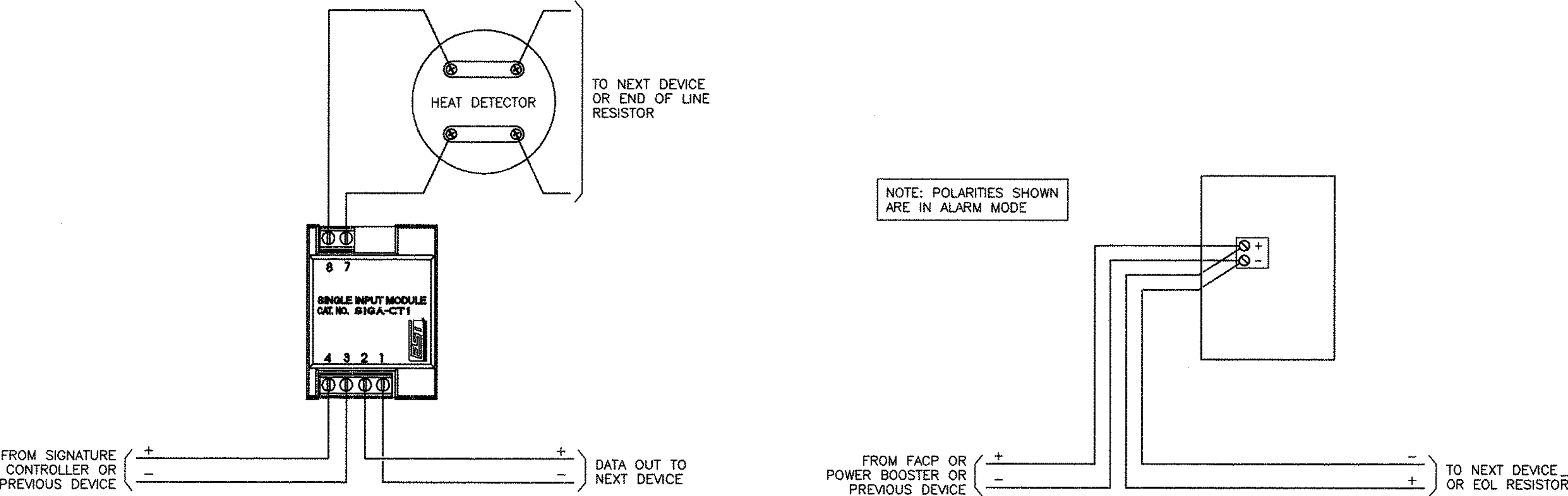
FACP BACKBOX ANCHORAGE DETAIL

NO SCALE



MANUAL PULL STATION DETAIL

NO SCALE

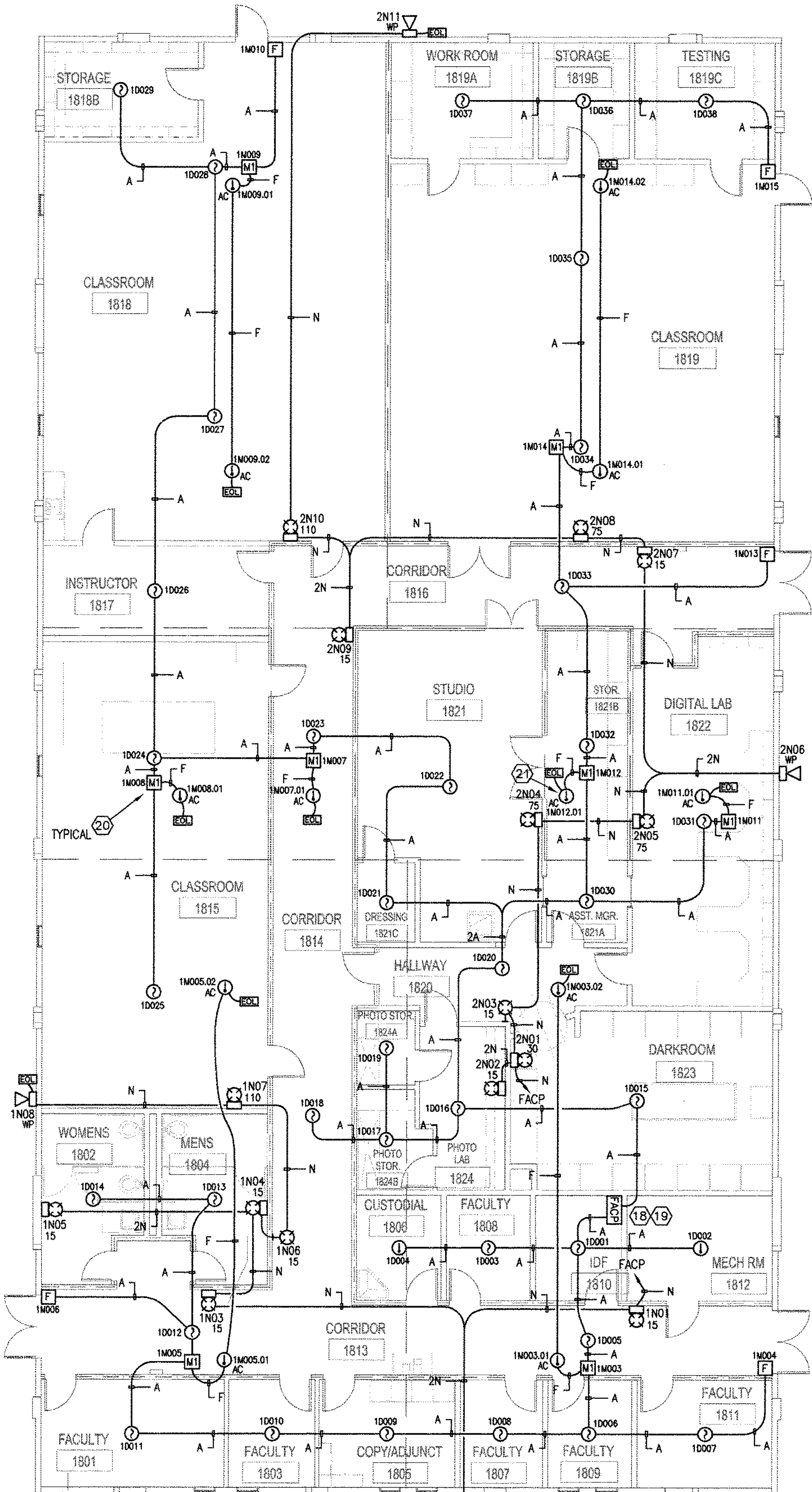


ABOVE CEILING (ATTIC) HEAT DETECTOR DETAIL

NO SCALE

HORN/STROBE & STROBE WIRING DETAIL

NO SCALE



FIRE ALARM FLOOR PLAN

1/8" = 1'-0"

SHEET NOTES

- Provide dedicated 120V 20A circuit at FACP. Clearly mark circuit as being exclusively for Fire Alarm in circuit directory.
- FACP to be connected to campus-wide fiber optic network, and programmed to communicate with FireWorks system for reporting of events, alarms, and trouble signals.
- Monitor module for above-ceiling heat detector(s) may be installed in backbox of nearest ceiling detector, or in separate backbox, but must be located in climate-controlled environment. (Typical of 7.)
- Provide access door for heat detector above hard-lid ceiling.

Licensed California Contractor
License # 440881 C-7, C-10
B-Jamar Inc. dba Quality Sound
2910 E. Fremont St.
Stockton, CA 95205
Expiration Date: 8/31/08
Signature: [Signature]

QUALITY SOUND
SYSTEMS INTEGRATION
DIVISION OF B-JAMAR, INC.
2010 East Fremont St., Stockton, CA 95205
Stockton: 209-948-2104 Sacramento: 916-442-4813
State C-7 & C-10 License No. 440881, ACO 5717

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. 02-18787
FILE 18-01
PTN:
AC: [Signature] FL: [Signature] SS: [Signature]
DATE 24 JUL 2007

Solano
Community
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Road
Fairfield, Ca
Solano County
Junior College
District
4000 Suisun Valley
Road
Suisun, California

FIRE ALARM SYSTEM
FLOOR PLAN,
CALCULATIONS,
AND DETAILS

FA1.0