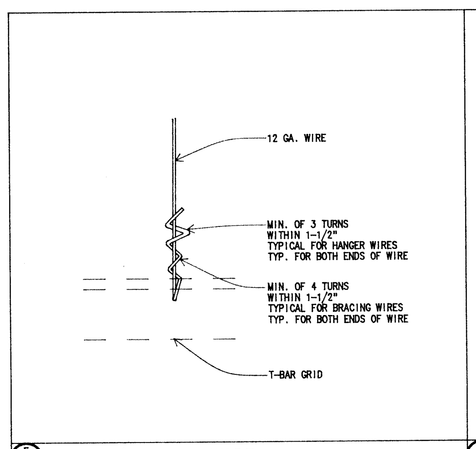
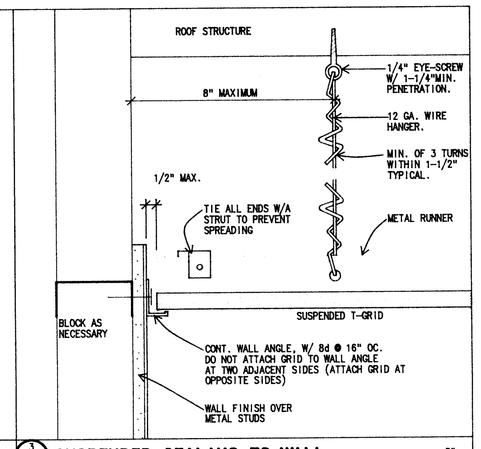
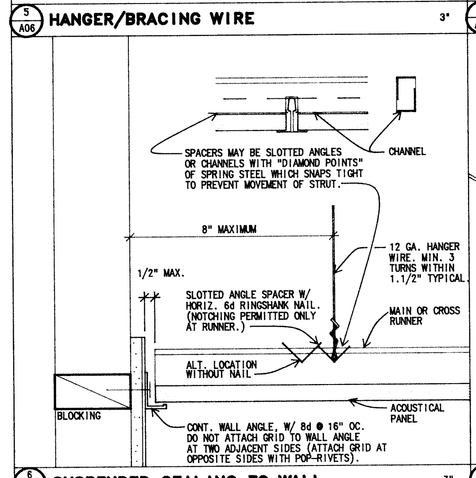


5/A06 HANGER/BRACING WIRE 3"



3/A06 SUSPENDED CEILING TO WALL 3"



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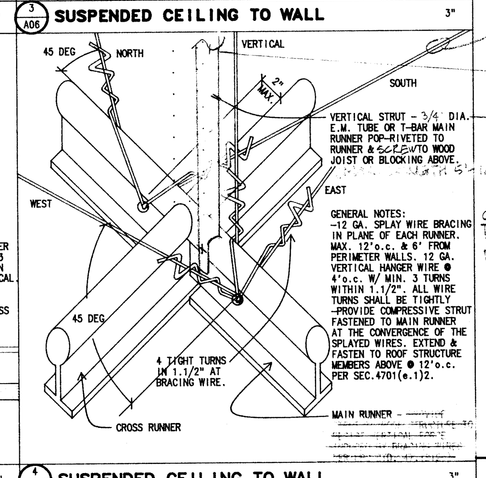

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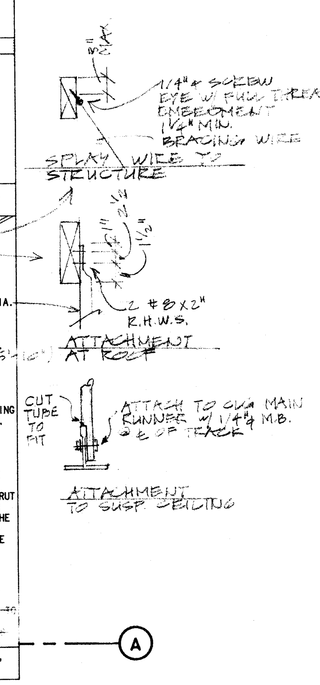
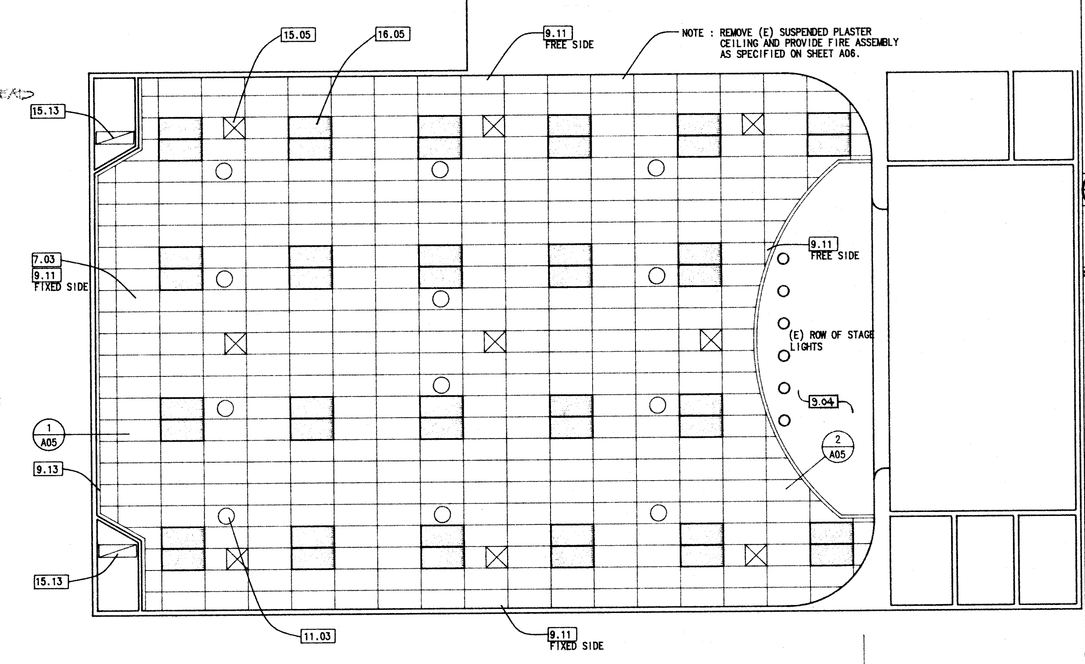
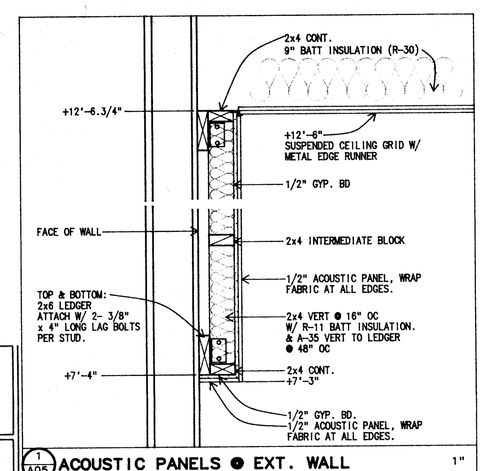
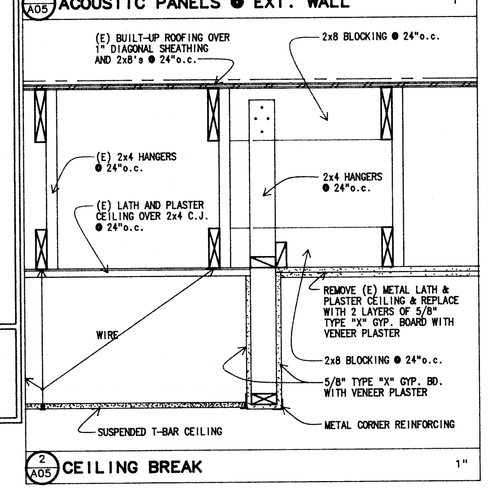






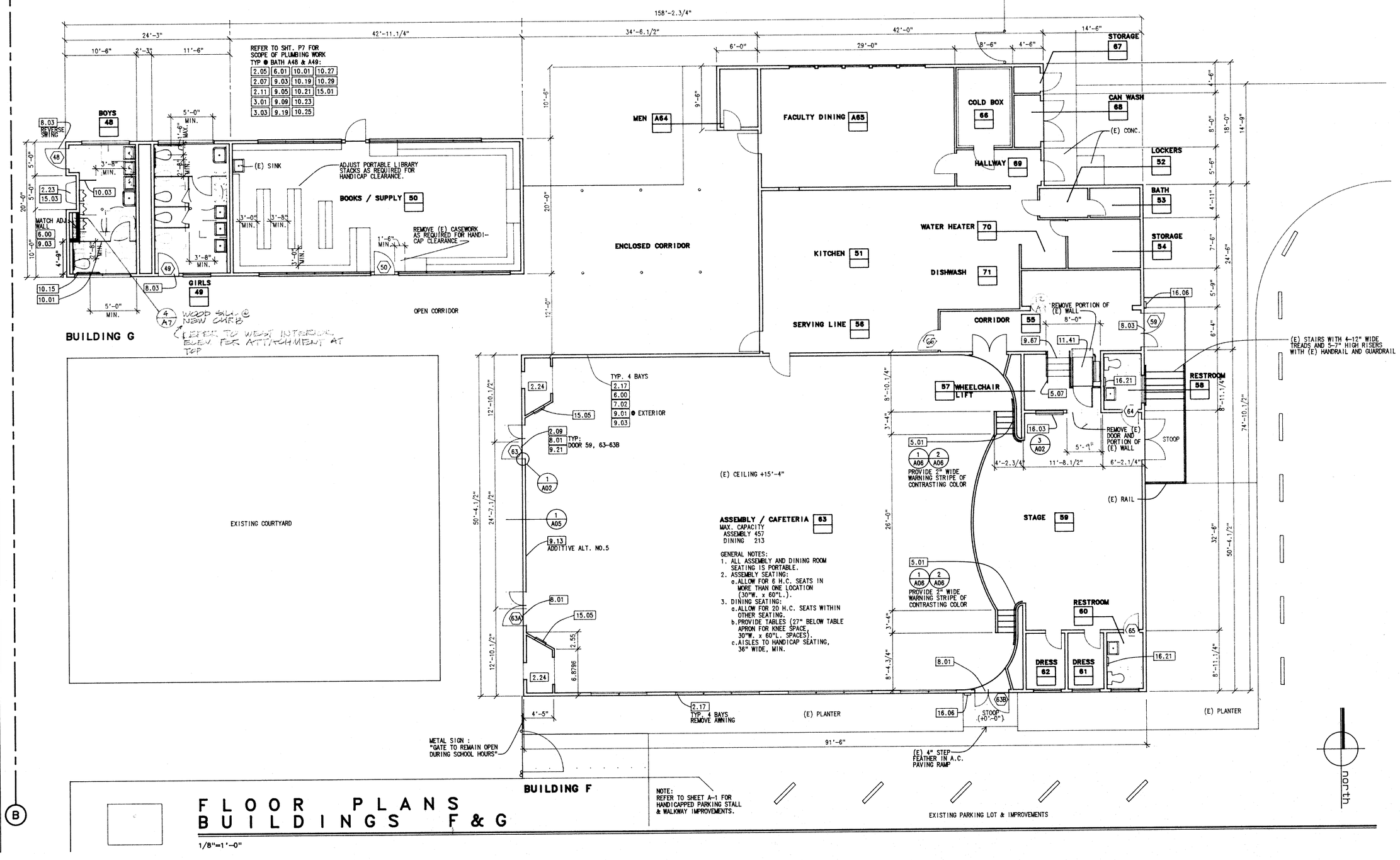
1/A05 ACOUSTIC PANELS @ EXT. WALL 1"



2/A05 CEILING BREAK 1"

1. INSTALL SUSPENSION SYSTEMS TO COMPLY WITH ASTM C 636, WITH HANGERS SUPPORTED ONLY FROM BUILDING STRUCTURAL MEMBERS. LOCATE HANGERS NOT LESS THAN 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. END CONNECTIONS FOR RUNNERS WHICH ARE DESIGNED AND DETAILED TO RESIST THE APPLIED HORIZ. FORCES MAY BE USED IN LIEU OF THE 12 GA HANGER WIRES SUBJECT TO OSA/SSS REVIEW AND APPROVAL. UNLESS OTHERWISE INDICATED, LEVELING TO TOLERANCE OF 1/8" IN 12'-0".
2. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0" GRID SPACING ALONG MAIN RUNNERS. SPLICES SHALL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY OSA/SSS.
3. HANGER WIRES MUST BE FASTENED WITH NOT LESS THAN 3 TIGHT TURNS WITHIN 1-1/2". 12 GA 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 FORCE ACTING ON THE WIRE. 12 GA. SPLAY WIRES TO BE TIGHTLY CRIMPED & WRAPPED WITH A FULL 4 TURNS WITHIN 1-1/2".
4. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OF PLUMB SHALL HAVE COUNTERBRACED WIRES.
5. HANGER WIRES SHALL BE PROVIDED FOR ALL MAIN RUNNERS AND CROSS RUNNERS WITHIN 8" OF CEILING PERIMETERS.
6. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AT A MINIMUM OF 1/2" CLEAR OF WALL.
7. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 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.
8. A SET OF 4 SPLAY WIRES SHALL BE PROVIDED FOR EACH 144 SF (VARIES) UNLESS OTHER SPECIFICALLY DESIGNED AND DETAILED BRACING IS PROVIDED. FIRST SET OF SPLAY WIRES SHALL BE 4'-0" MAX. FROM A WALL. WIRES SHALL BE TAUT W/O CAUSING CEILING TO LIFT. FOR SCHOOL BUILDINGS, PLACE SETS OF BRACING WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER. THE SLOPE OF THE WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHALL BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL OSA/SSS APPROVAL.
9. ALL LIGHT FIXTURES SHALL BE ATTACHED TO THE CEILING GRID TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING MORE THAN 56 POUNDS AND ALL FIXTURES AND AIR TERMINALS OR SERVICES IN INTERMEDIATE DUTY GRID MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 TAUT 12 GA. WIRES CAPABLE OF SUPPORTING 4 TIMES THE LOAD. THE 4 TAUT WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT.
11. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS 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 FT. x 4 FT. LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER. THE 4 TAUT WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT.
12. THE INSTALLING CONTRACTOR TO PROVIDE AND INSTALL TWO 12 GA. SLACK WIRES TO ALL RECESSED LIGHT FIXTURES AT OPPOSITE CORNERS.
13. THE INSTALLING CONTRACTOR TO POSITIVELY ATTACH ALL GRILLES WHICH REST IN OR ABOUT THE CEILING SYSTEM RUNNERS ON A MINIMUM OF TWO SIDES. IN ADDITION, THE INSTALLING CONTRACTOR IS TO PROVIDE AND ATTACH A 12 GA. SAFETY WIRE TO TWO DIAGONAL CORNERS OF THE GRILLE ITSELF WHEN GRILLE IS OVER 20 POUNDS.
14. SEPARATE ALL CEILING HANGING AND BRACING WIRES BY AT LEAST 6" FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO OSA/SSS
15. SURFACE MOUNTED LIGHT FIXTURES SHALL BE SUPPORTED BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE SUPPORTED FROM THE STRUCTURE ABOVE BY A 12 GA. WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 FEET OR LONGER.
16. WHEN DRILLED-IN CONCRETE ANCHORS OR SHOT-INS ARE USED FOR CEILING WIRE SUPPORTS, 1 IN 10 MUST BE FIELD TESTED FOR 200 POUNDS OF TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 MUST BE FIELD TESTED FOR 440 POUNDS 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. NOTE: DRILLED-IN OR SHOT-IN ANCHORS REQUIRE SPECIAL OSA/OSS APPROVAL WHEN USED IN PRESTRESSED CONC.
17. 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 FIXTURE OR TERMINAL AND TO THE STRUCTURE ABOVE.
18. 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.
19. CLASSIFICATION OF CEILING GRID IS INTERMEDIATE DUTY. MANUFACTURER'S CATALOG NO. – MAIN RUNNER: CHICAGO CO. NO. 1811/1819 MANUFACTURER'S CATALOG NO. – CROSS RUNNER: CHICAGO CO. NO. 1814.
20. FOR (E) SUSPENDED CEILINGS: RETIE, BRACE & INSTALL FIXTURES AS DESCRIBED IN THE ABOVE REFERENCED NOTES AND DETAILS.

NOTE A5 SUSPENDED CEILING NOTES
REGULATIONS FOR PUBLIC SCHOOLS



FLOOR PLANS BUILDINGS F & G

1/8"=1'-0"

FLOOR PLAN KEYNOTES

KEY NOTE NO.		SPEC. REF. NO.
2.05	INTERIOR PARTITIONS TO BE REMOVED	02070
2.07	REMOVE EXISTING PLUMBING FIXTURE AND CAP PIPES AS REQUIRED	02070
2.09	DOOR TO BE REMOVED AND FRAME TO BE MODIFIED.	02070
2.11	REMOVE EXISTING TOILET PARTITION	02070
2.17	EXISTING WINDOWS TO BE REMOVED	02070
2.19	REMOVE EXISTING EVAPORATIVE COOLER	02070
2.23	EXISTING DRINKING FOUNTAIN TO BE REMOVED	02070
2.24	REMOVE EXISTING FLOOR MOUNTED HEATER	02070
3.01	DEPRESSED SLAB FOR CERAMIC TILE OVER MORTAR BED	03310
3.03	SLOPE FLOOR TO DRAIN @ 1/8" PER FT.	03310
5.01	HANDRAIL/GUARDRAIL	05520
5.07	ALUMINUM HANDRAIL	05520
6.00	2x6 STUDS @ 16" OC, ON 6" H. CONC. CURB (U.O.N.)	06100
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
7.01	3-1/2" BATT INSULATION – (R-11)	07200
7.02	5-1/2" BATT INSULATION – (R-19)	07200
7.03	8-1/2" BATT INSULATION – (R-30)	07200
8.01	HOLLOW METAL DOOR AND FRAME WITH LEVER HANDLE TYPE OR PANIC HARDWARE AS SPECIFIED IN THE HARDWARE SCHEDULE	08110
8.03	REPLACE EXISTING DOOR HARDWARE W/ LEVER HANDLE TYPE	08710
9.01	CEMENT PLASTER (MATCH ADJACENT)	09200
9.03	1/2" GYPSUM BOARD WITH VENEER PLASTER (Smooth Finish) MATCH ADJACENT WALL FINISH. U.N.O.	09215
9.04	5/8" GYP BD TYPE "X"	09215
9.05	MORTAR BED MOSAIC FLOOR TILE (SLOPED TO FLOOR DRAIN)	09300
9.09	MORTAR BED CERAMIC WALL TILE	09300
9.11	SUSP. T-BAR CEILING	09510
9.13	ACOUSTIC PANELS	09521
9.15	SHEET VINYL	09650
9.16	RUBBER TOP SET BASE (4" HIGH)	09650
9.17	CARPET – GLUE DOWN	09680
9.19	PAINT	09900
9.21	PAINTED SIGNAGE (CLASSROOM DOORS)	09900
9.67	RUBBER STAIR TREAD, SKIRT AND NOSING	09650
10.01	METAL, OVERHEAD-BRACED PARTITIONS	10160
10.02	METAL, OVERHEAD-BRACED SCREEN	10160
10.03	METAL PARTITION SCREEN	10160
10.11	WALL MOUNTED SIGN (FIRE EXTINGUISHER INSIDE)	10440
10.15	GRAB BAR 42" L. (Bobrick B-6206)	10800
10.17	GRAB BAR 36" L. (Bobrick B-6206)	10800
10.19	SURFACE MOUNTED PAPER TOWEL DISPENSER (BOBRICK B-263)	10800
10.21	SURFACE MOUNTED TOILET TISSUE DISPENSER (BOBRICK B-288) ANTI-THEFT	10800
10.23	RECESSED LIQUID SOAP DISPENSER (BOBRICK B-306)	10800
10.25	RECESSED TOILET SEAT COVER DISPENSER (BOBRICK B-301)	10800
10.27	MIRROR UNIT (BOBRICK B-165)	10800
10.29	FREE-STANDING TRASH RECEPTACLE (BOBRICK B-2280)	10800
11.03	CEILING MOUNTED SPEAKER	11510
11.41	MECHANICAL WHEELCHAIR LIFT	11420
15.01	FLOOR DRAIN	15400
15.03	HANDICAPPED DRINKING FOUNTAIN	15400
15.05	AIR-RETURN	15800
15.13	RETURN AIR DUCT	15800
15.15	UNIT VENTILATOR	15800
16.03	ELECTRICAL PANEL, REPLACE SUB-PANEL INTERIOR	16100
16.04	MAIN SWITCH BOARD ('MSA')	16100
16.05	RECESSED LIGHT FIXTURE	16100
16.07	MOTION SENSORS	16100
16.06	EMERGENCY LIGHT FIXTURE	16100
16.09	WALL RECEPTACLE (SEE ELECTRICAL FOR CORRECT TYPE)	16100
16.11	DAYLIGHTING CONTROL	16100
16.13	SURFACE RACEWAY (WIRE MOLD)	16100
16.21	FIRE ALARM, VISUAL STROBE LIGHT	16100

GENERAL NOTES

1. EXISTING SILL TO CONCRETE CURB AT RESTROOMS: 3x6 WOOD SILL ON 1" DRYPACK WITH 5/8" DIA. x 12" LONG ANCHOR BOLTS @ 4'-0" o.c. PROVIDE NEW PARTITION FRAMING AS NECESSARY ON EXISTING CONCRETE CURBS.
2. REMOVE EXISTING TOILET PARTITIONS AT RESTROOMS #58 AND #60.

APPROVALS

APPROVED FIRE AND PANIC EXITS
DEC 7 1990
STATE FIRE MARSHALL SOUTHERN REGION

TITLE 24 & 1988 UBC

NOV 27 '90

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BAKERSFIELD CITY SCHOOL DISTRICT
WAYSIDE ELEMENTARY SCHOOL MODERNIZATION
BAKERSFIELD, CALIFORNIA

WAYSIDE ELEMENTARY SCHOOL
1000 MINE AVENUE
BAKERSFIELD, CALIFORNIA

Sheet title: FLOOR PLANS BUILDINGS F & G

Bruce F. Ward
51249
EXP. 7-30-93

Date:	Issued for:
11/29/90	C.D. APPROVAL
12/22/90	D.S.A. APPROVAL
10/31/90	D.S.A. BACK CHECK

Date:	Revisions:

Drawn by: RSB
Checked by:
Job no: 1702
Sheet: A.5
Sheet of: 10
Date: