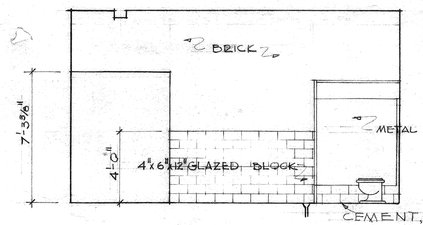
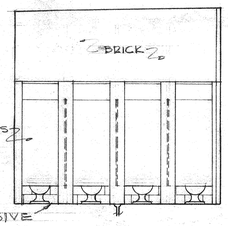
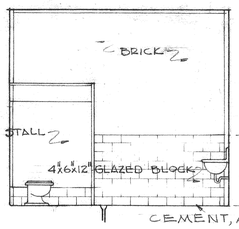


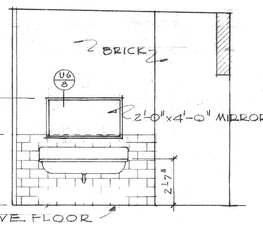
EAST ELEVATION



SOUTH ELEVATION



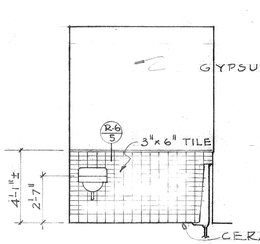
WEST ELEVATION



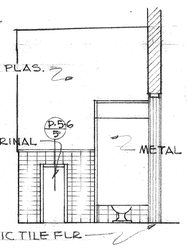
NORTH ELEVATION

GIRL'S TOILET ROOM 19

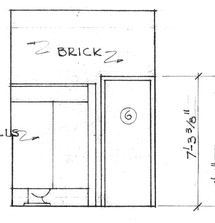
SCALE - 1/4" = 1'-0"



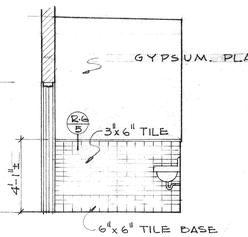
EAST ELEV.



SOUTH ELEV.



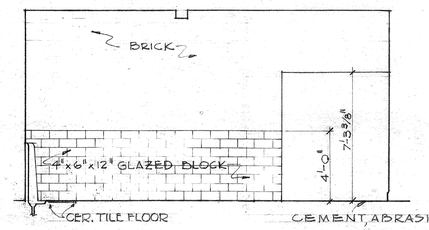
WEST ELEV.



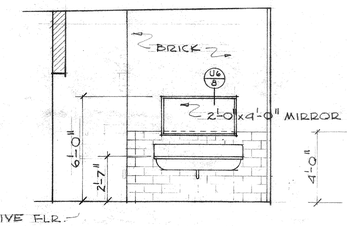
NORTH ELEV.

MEN'S TOILET 9

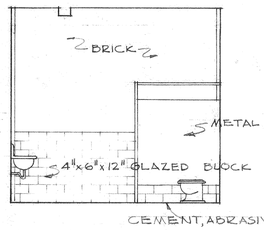
SCALE - 1/4" = 1'-0"



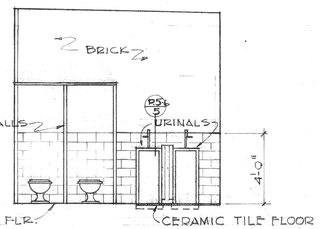
EAST ELEVATION



SOUTH ELEVATION



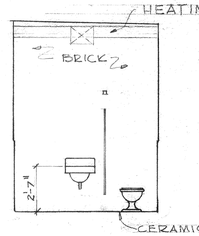
WEST ELEVATION



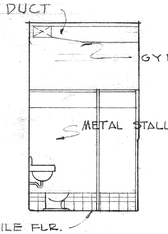
NORTH ELEVATION

BOY'S TOILET ROOM 21

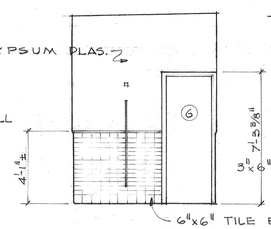
SCALE - 1/4" = 1'-0"



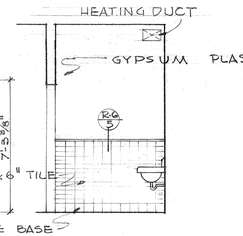
NORTH ELEV.



EAST ELEV.



SOUTH ELEV.

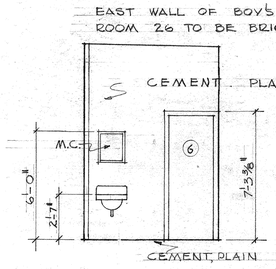


WEST ELEV.

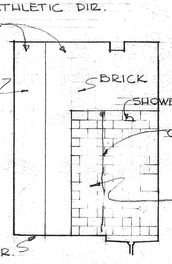
WOMEN'S TOILET 5

SCALE - 1/4" = 1'-0"

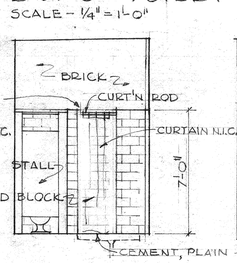
EAST WALL OF BOY'S ATHLETIC DIR. ROOM 26 TO BE BRICK



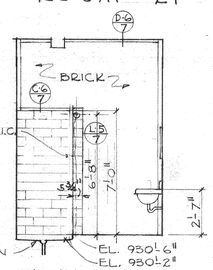
N. ELEV.



E. ELEV.



S. ELEV.

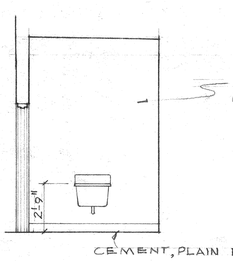


W. ELEV.

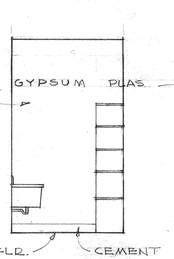
GIRL'S ATHLETIC DIR. ROOM 18

SCALE - 1/4" = 1'-0"

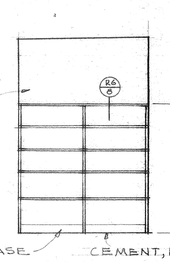
NOTE: BOY'S ATHLETIC DIR. ROOM 26 SIMILAR BUT REVERSED



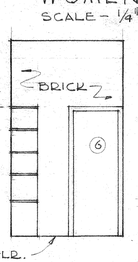
N. ELEV.



E. ELEV.



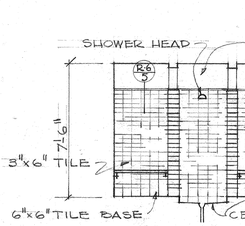
S. ELEV.



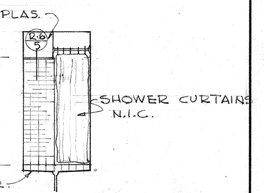
W. ELEV.

JANITOR'S CLOSET ROOM 10

SCALE - 1/4" = 1'-0"



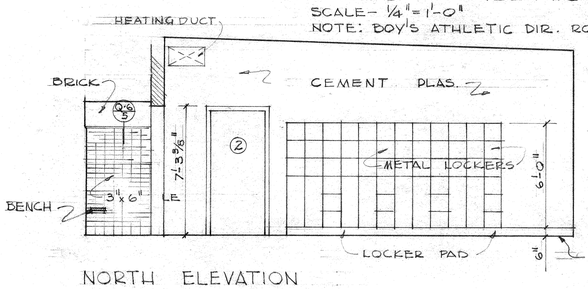
W. ELEV.



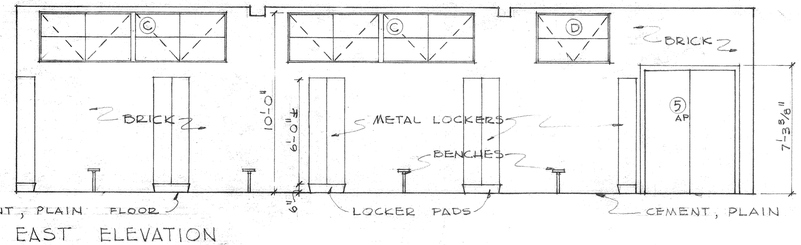
N. ELEV. - SHOWER

INDIVIDUAL SHOWER & DRESSING ROOM 11 (SEE BELOW)

SCALE - 1/4" = 1'-0"



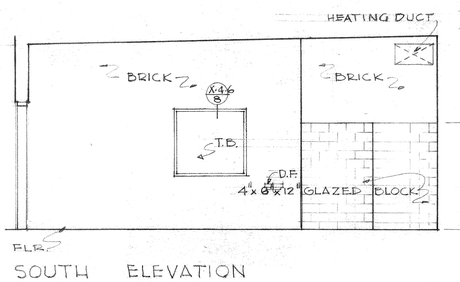
NORTH ELEVATION



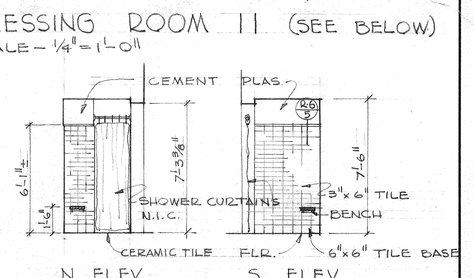
EAST ELEVATION

GIRL'S LOCKER ROOM 12

SCALE - 1/4" = 1'-0"

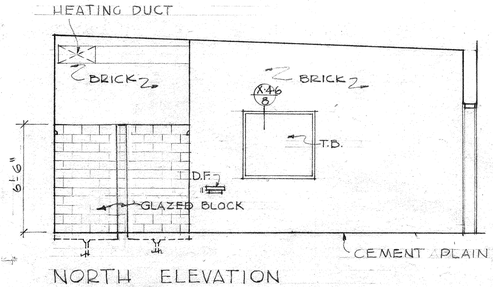


SOUTH ELEVATION



N. ELEV. S. ELEV.

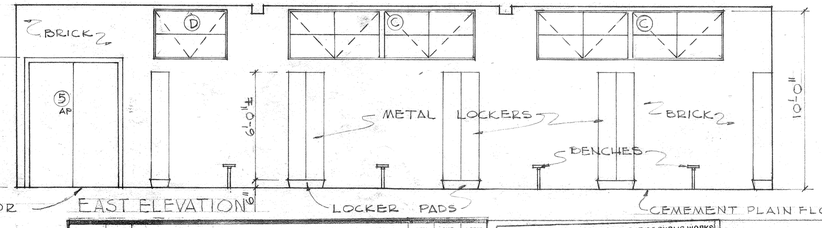
DRESSING ROOM



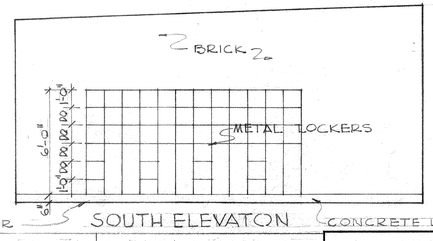
NORTH ELEVATION

BOY'S LOCKER ROOM 25

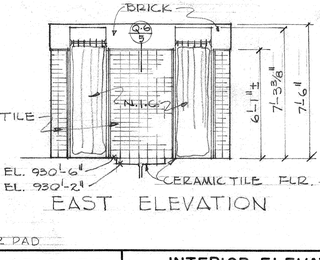
SCALE - 1/4" = 1'-0"



EAST ELEVATON



SOUTH ELEVATON



EAST ELEVATION

DATE	NO.	REVISED	DESTROY ALL PRINTS BEARING EARLIER DATE	REV. BY	CKD. BY	APP'D BY

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761 APPROVED 4-18-50
Harris W. Bolton
DIV. PRINCIPAL STRUCTURAL ENGINEER

M-80-3

UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM
RIVERSIDE CALIFORNIA

INTERIOR ELEVATIONS

BOLTON CALDWELL MOISE JR.
ARCHITECT
3814 - 9TH STREET RIVERSIDE, CALIFORNIA

CHECKED [signature] DATE APRIL 12 TH 1950

JOB NO. 4914

SHEET 6 OF 10 SHEETS

DATE	NO.	REVISED	DESTROY ALL PRINTS BEARING EARLIER DATE	REV. BY	CK'D. BY	APP'D. BY

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761 — APPROVED 4-14-50
Harry M. Bolin
PRINCIPAL STRUCTURAL ENGINEER

SECTION A7/8
SCALE 3/4"=1'-0"

DETAILS IN NURSE'S ROOM NO. 6

SECTION B7/8
SCALE 3/4"=1'-0"

SECTION C7/8

SECTION D7/8
SCALE 3"=1'-0"

SECTION E7/8

SECTION F7/8
SCALE 3"=1'-0"

SECTION F7/8
SCALE 3"=1'-0"

H.W. CENTER DRAWER GUIDES

TYPICAL SHELVING DETAILS GPR/8
SCALE: 3"=1'-0"

ENDS | INTERMEDIATES | AT DRAWER | AT WALL

TYPICAL CASEWORK DETAILS SCALE 3"=1'-0"

NOTE: ALL HIGH SHELVES AND CABINETS TO BE SECURELY FASTENED TO WALL.

SECTION G7/8
SCALE 3/4"=1'-0"

SECTION H7/8
SCALE 3/4"=1'-0"

SECTION I7/8
SCALE 3/4"=1'-0"

DETAILS IN TOWEL ROOM No 16, 28

SECTION J-7/8
SCALE: 3"=1'-0"

SECTION K7/8
SCALE 3/4"=1'-0"

SECTION L7/8
SCALE 3/4"=1'-0"

SECTION M7/8
SCALE 3/4"=1'-0"

DETAILS OF SHEET MUSIC & EQUIPMENT STORAGE No 32.

SECTION N7/8
SCALE 3/4"=1'-0"

SECTION O7/8
SCALE 3"=1'-0"

SECTION P7/8
SCALE 3/4"=1'-0"

SHELVES IN EQUIPM. ROOM No 30

SECTION Q7/8
SCALE 3/4"=1'-0"

DETAILS IN BLANKET STORAGE ROOM No 8

SECTION R6/8
SCALE 3/4"=1'-0"

DETAILS IN JANITOR'S CLOSET No 10

SECTION S7/8
SCALE 3/4"=1'-0"

DET. IN KITCHENETTE ROOM No 36

SECTION T6/8 ELEVATION
SCALE 3"=1'-0"

BENCH IN INDIV. SHOWER & DRESSING ROOM No 11

FULL SIZE DETAIL OF MIRROR FRAMES U7/6

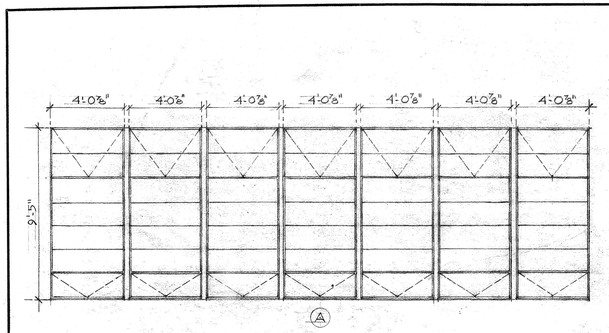
SECTION BLACK BOARD V-4/8
SCALE 3"=1'-0"

SECTION ACOUSTIC PANEL V-4/8

SECTION TACK BOARD X-4/8
SCALE 3"=1'-0"

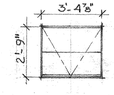
M-80-5

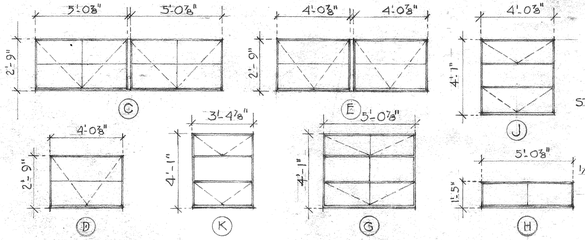
UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM RIVERSIDE CALIFORNIA	CABINET DETAILS & MISC.	JOB NO. 4914
	BOLTON CALDWELL MOISE JR. ARCHITECT 3514 9TH STREET RIVERSIDE, CALIFORNIA	SHEET 8 OF 10 SHEETS
	CHECKED [signature] DATE APRIL 12TH 1950	

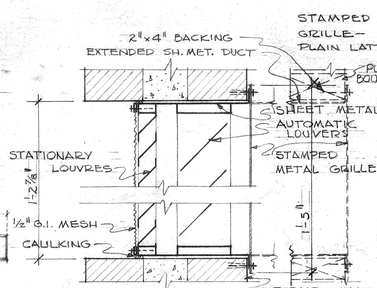


METAL WINDOW TYPES - EXTERIOR ELEVATIONS - SCALE: 1/4" = 1'-0"

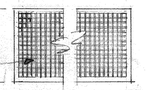
NOTE: VENTILATORS ARE BOTTOM-HINGED AND SWING IN







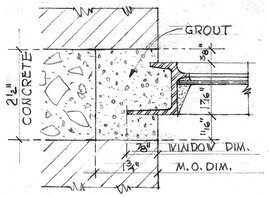
EXHAUST LOUVRE DET. (1:3 / 9)
SCALE - 3" = 1'-0"



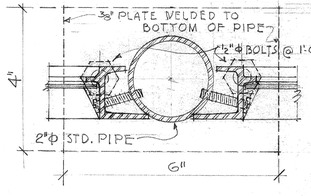
¾" SCALE ELEVATION

WINDOW SCHEDULE

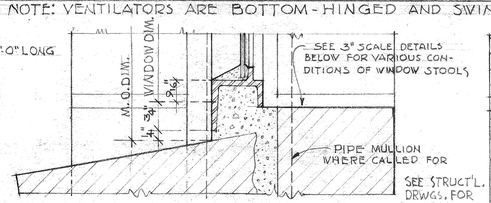
MARK	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT	TYPE	MATERIAL	MULLIONS	VENTILATORS	OPERATED	REMARKS
A	30'-1"	9'-6"	ARCHITECTURAL PROJECTED	METAL	6-2"ϕ PIPE	SCREENED	BY POLE	
B	6'-9"	5'-6"	ARCHITECTURAL PROJECTED	METAL	NONE	SCREENED	BY POLE	
C	10'-5"	2'-10"	ARCHITECTURAL PROJECTED	METAL	1-2"ϕ PIPE	SCREENED	BY POLE	
D	4'-1"	2'-10"	ARCHITECTURAL PROJECTED	METAL	NONE	SCREENED	BY POLE	
E	8'-5"	2'-10"	ARCHITECTURAL PROJECTED	METAL	1-2"ϕ PIPE	SCREENED	BY POLE	
F	3'-5"	2'-10"	ARCHITECTURAL PROJECTED	METAL	NONE	SCREENED	BY POLE	
G	5'-1"	4'-2"	ARCHITECTURAL PROJECTED	METAL	NONE	SCREENED	BY POLE	
H	5'-1"	1'-6"	ARCHITECTURAL PROJECTED	METAL	NONE	NONE	FIXED	
J	4'-1"	4'-2"	ARCHITECTURAL PROJECTED	METAL	NONE	SCREENED	BY POLE	
K	3'-5"	4'-2"	ARCHITECTURAL PROJECTED	METAL	NONE	SCREENED	BY POLE	



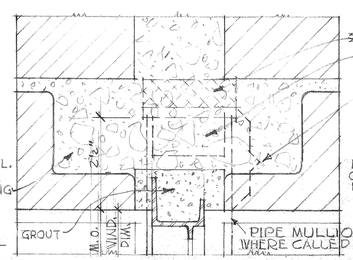
JAMB



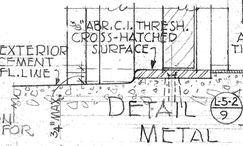
MULLION



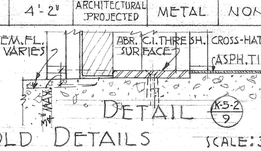
SILL



HEAD

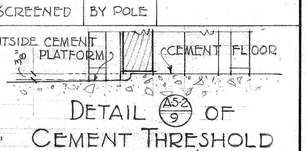


DETAIL (A5.2 / 9)



DETAIL (A5.2 / 9)

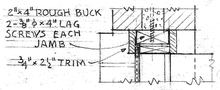
METAL THRESHOLD DETAILS SCALE: 3"=1'-0"



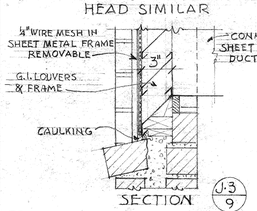
DETAIL (A5.2 / 9) OF CEMENT THRESHOLD

TYPICAL WINDOW FRAME SECTIONS - SCALE: ½ FULL SIZE

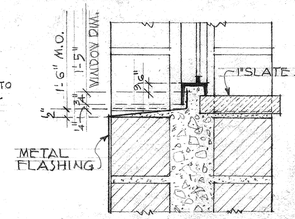
NOTE: SUBMIT SHOP DRAWINGS OF VENTILATORS, SCREENS, HARDWARE ETC.



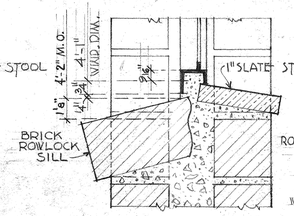
JAMB
HEAD SIMILAR



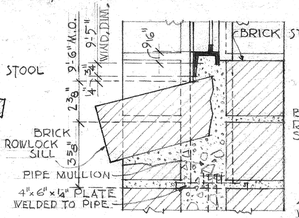
SECTION (J.3 / 9)



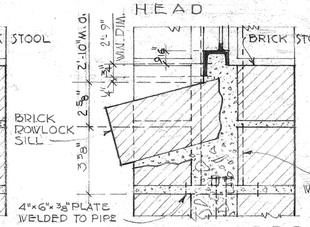
WINDOW TYPE (H)



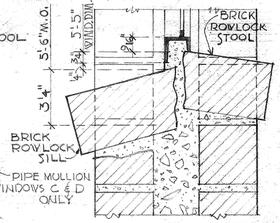
WINDOWS TYPE (G) (J) (K)



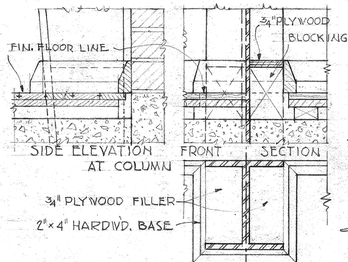
WINDOW TYPE (A)



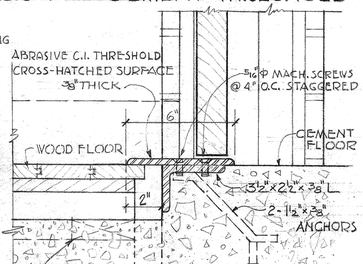
WINDOWS TYPE (C) (D) (E) (F)



WINDOW TYPE (B)



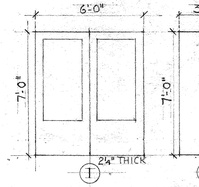
DETAIL OF BASE AT GYMNASIUM WALLS (E-4 / 9) WHERE NO BOUNCE BOARD OCCURS



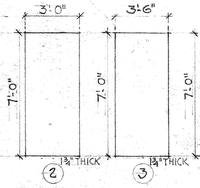
FOR IN-SWINGING DOORS (B.5-2 / 9)

TYPICAL DETAIL OF INTAKE LOUVERS

SCALE: 1½" = 1'-0"

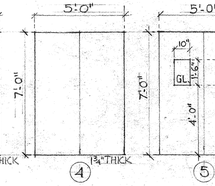


SPECIAL SEE DETAIL (1)



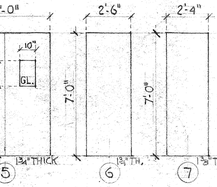
FLUSH VENEER SOLID (2)

FLUSH VENEER VISION LIGHT (3)



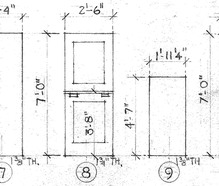
FLUSH VENEER SOLID (4)

FLUSH VENEER VISION LIGHT (5)



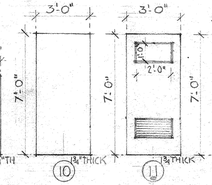
FLUSH VENEER SOLID (6)

FLUSH VENEER SOLID (7)



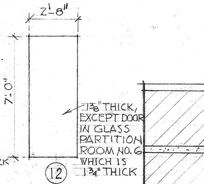
FLUSH VENEER DUTCH DOOR (8)

FLUSH VENEER SOLID (9)



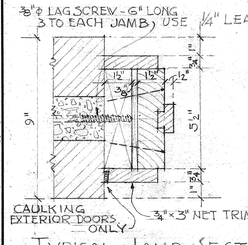
FLUSH METAL-CLAD CLASS "C" LABEL FIRE DOOR & FRAME SEE SPECS. (10)

FLUSH METAL-CLAD WIRE GLASS PANEL MET. LOUVER FRAME (11)

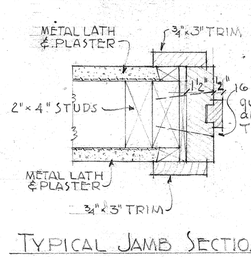


FRAME-PLYWOOD BOTH SIDES (12)

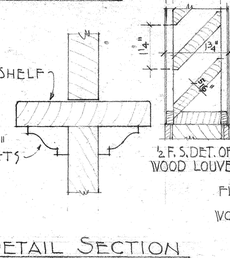
DOOR TYPES - SCALE ¼" = 1'-0"



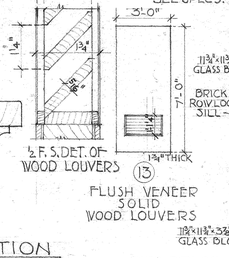
TYPICAL JAMB SECTION OF DOORS IN MASONRY WALLS
SCALE: 3" = 1'-0"



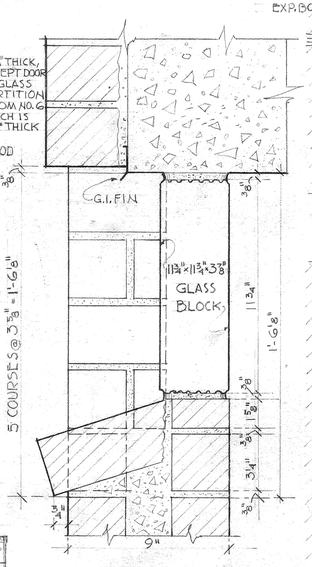
TYPICAL JAMB SECTION OF DOORS IN STUD PARTITIONS
SCALE: 3" = 1'-0"



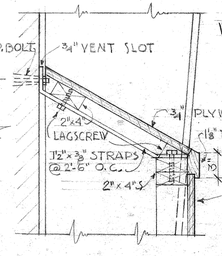
DETAIL SECTION OF DUTCH DOOR (8)
SCALE: 3" = 1'-0"

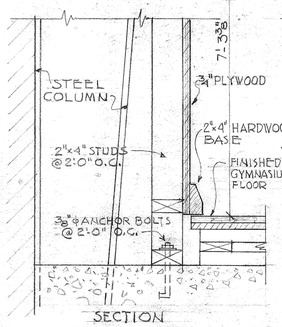


SECTION (F-3 / 9)
SCALE: 1½" = 1'-0"

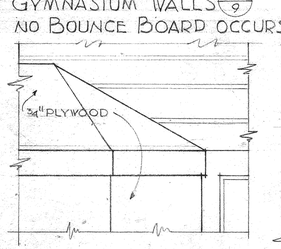


TYPICAL SECTION OF GLASS BLOCK PANELS IN GYMNASIUM (G-3 / 9)
SCALE: 3" = 1'-0"

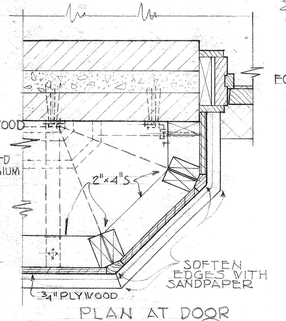




SECTION

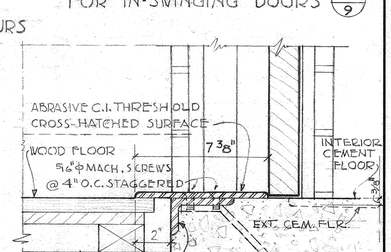


ELEVATION AT DOOR



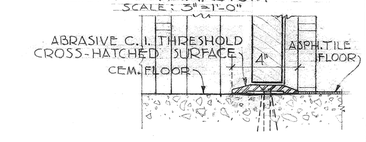
PLAN AT DOOR

1½" SCALE BOUNCE BOARD DETAIL (H4 / 9)



FOR OUT-SWINGING DOORS (C5-2 / 9)
FOR THRESHOLD OF DOOR (1) SEE SECT. (A5.2 / 9)

DETAIL OF THRESHOLDS IN GYMNASIUM
SCALE: 3" = 1'-0"



THRESHOLD DETAIL (D-5-2 / 9)
SCALE 3" = 1'-0"

NOTE: "A" ATTACHED TO DOOR MARK CIRCLE = (A) MEANS DOOR SHALL BE PROVIDED WITH CLOSER
"K" " " " " " " " " " " " " " KICK PLATES
"P" " " " " " " " " " " " " " PANIC BOLTS

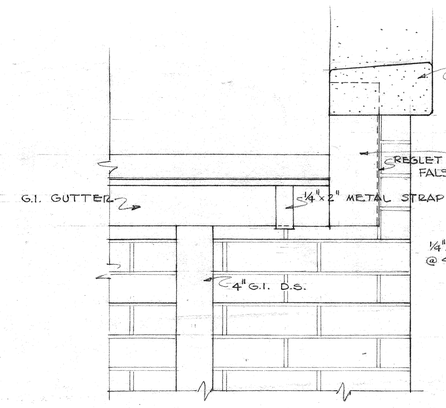
BY	No.	REVISED	DESTROY ALL PRINTS BEARING EARLIER DATE	REV. BY	CKD. BY	APP'D BY

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761 — APPROVED 4-14-50
Harry W. Botsford
BY PRINCIPAL STRUCTURAL ENGINEER

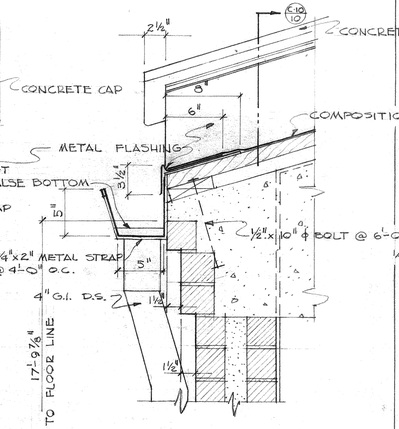
M-80-6

UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM
RIVERSIDE CALIFORNIA

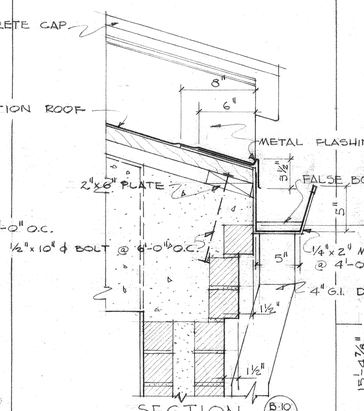
DOOR, WINDOW & INTERIOR DET.
JOB No. 4914
BOLTON CALDWELL MOISE JR. ARCHITECT
3514 9-TH STREET RIVERSIDE, CALIFORNIA
SHEET 9 OF 10 SHEETS
CHECKED DATE APRIL 12TH 1950



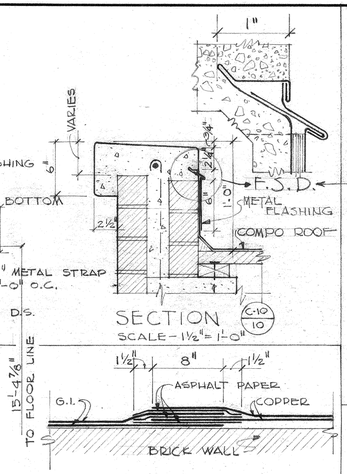
ELEVATION OF GUTTER & D.S. ON GYMNASIUM
SCALE - 1½" = 1'-0"



SECTION A-10/10
SCALE - 1½" = 1'-0"



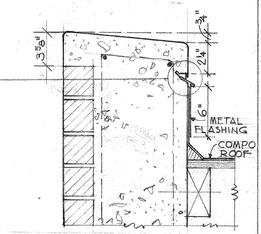
SECTION B-10/10
SCALE - 1½" = 1'-0"



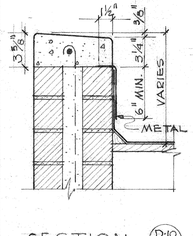
SECTION C-10/10
SCALE - 1½" = 1'-0"

HORIZONTAL SECTION SHOWING LAP OF COPPER & G.I. FLASH.
SCALE - 1½" = 1'-0"

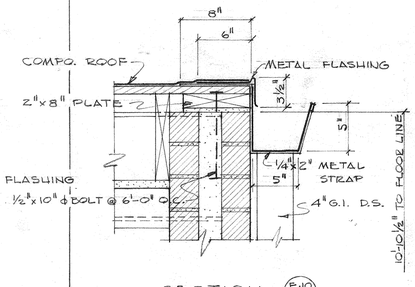
NOTE: G.I. SHALL NOT COME IN CONTACT WITH SHEET COPPER AT ANY POINT.



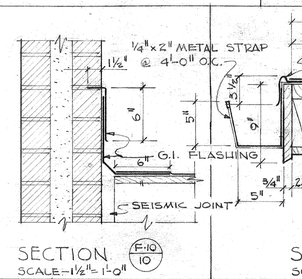
SECTION V-10/10
SCALE - 1½" = 1'-0"



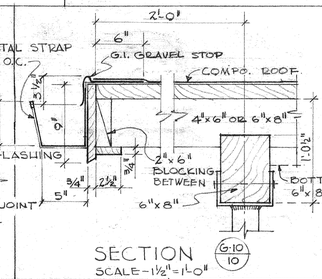
SECTION D-10/10
SCALE - 1½" = 1'-0"



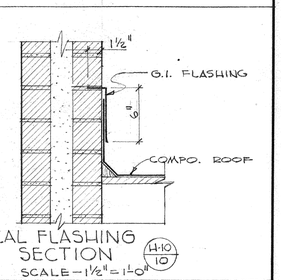
SECTION E-10/10
SCALE - 1½" = 1'-0"



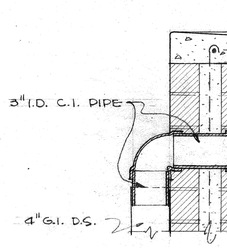
SECTION F-10/10
SCALE - 1½" = 1'-0"

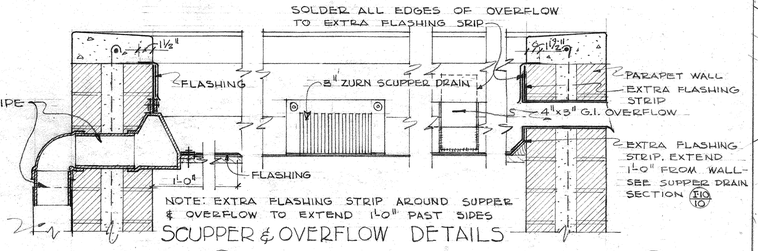


SECTION G-10/10
SCALE - 1½" = 1'-0"



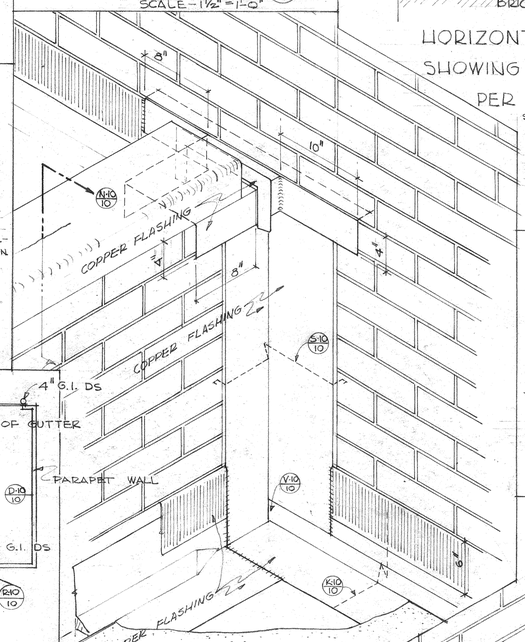
TYPICAL FLASHING SECTION H-10/10
SCALE - 1½" = 1'-0"



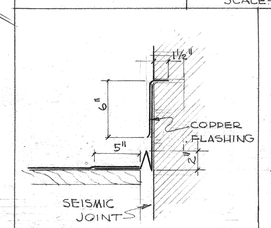


SCUPPER & OVERFLOW DETAILS

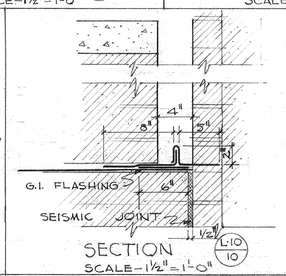
SECTION I-10/10
SCALE - 1½" = 1'-0"



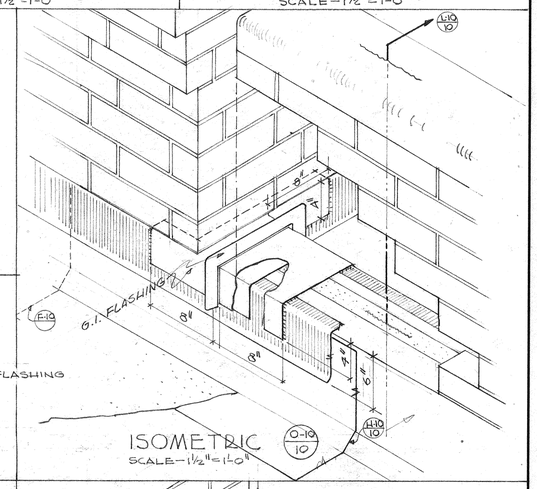
ISOMETRIC M-10/10
SCALE - 1½" = 1'-0"



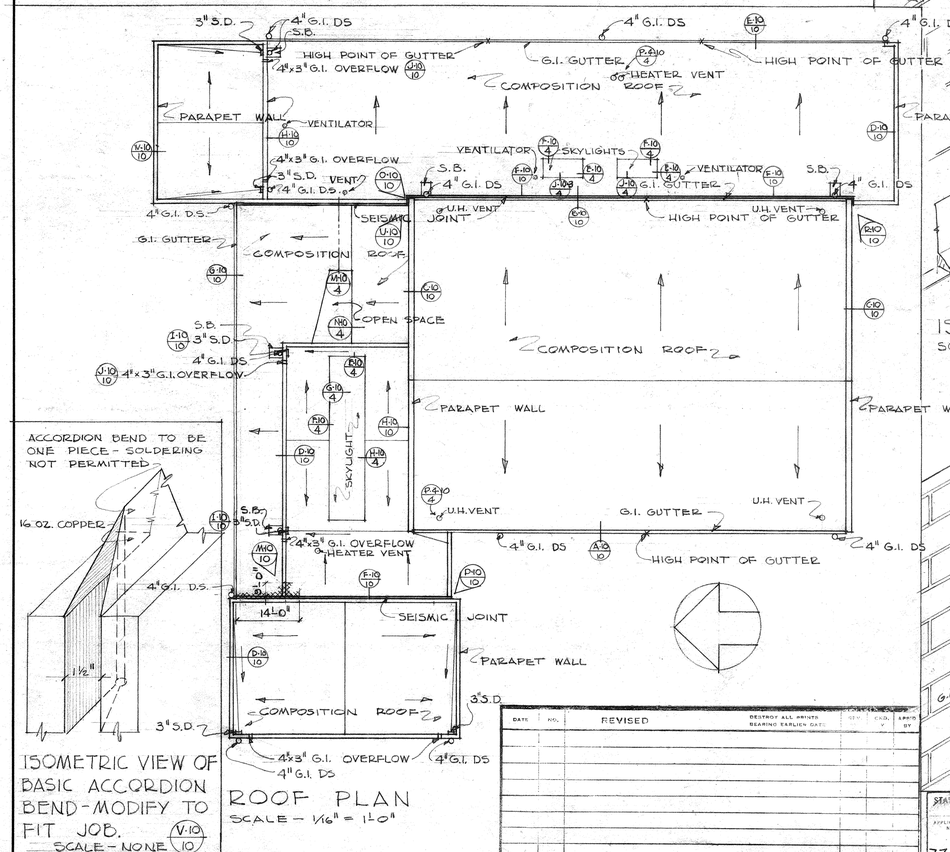
SECTION K-10/10
SCALE - 1½" = 1'-0"



SECTION L-10/10
SCALE - 1½" = 1'-0"

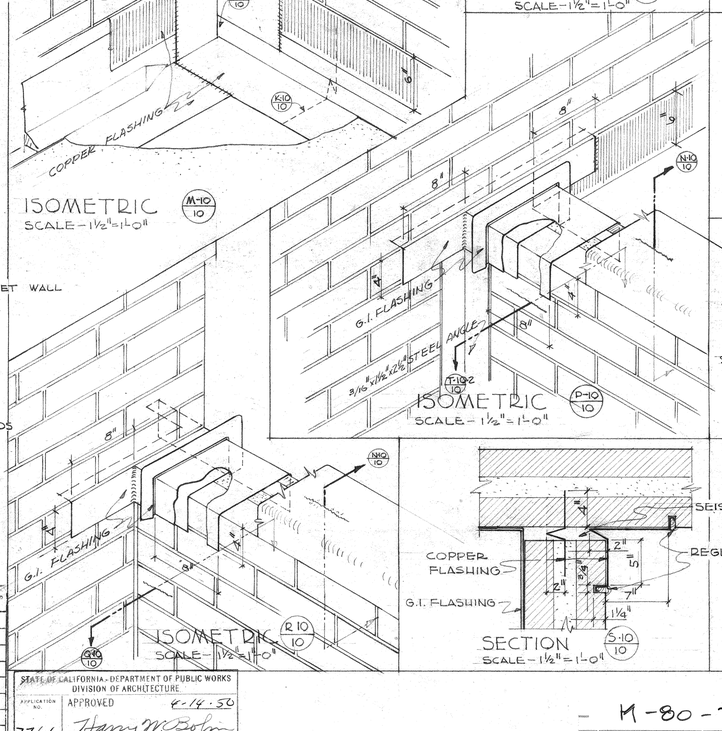


ISOMETRIC U-10/10
SCALE - 1½" = 1'-0"

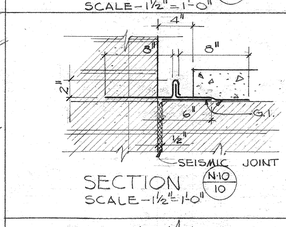


ISOMETRIC VIEW OF BASIC ACCORDION BEND - MODIFY TO FIT JOB.
SCALE - NONE V-10/10

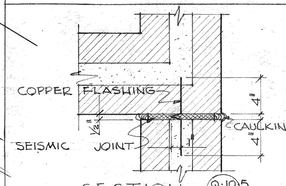
ROOF PLAN
SCALE - 1/16" = 1'-0"



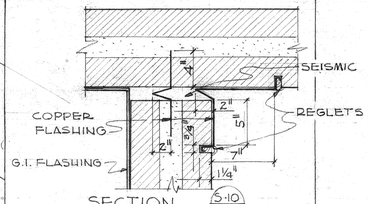
ISOMETRIC P-10/10
SCALE - 1½" = 1'-0"



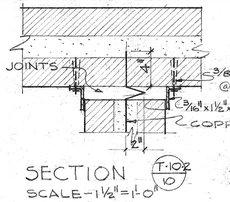
SECTION N-10/10
SCALE - 1½" = 1'-0"



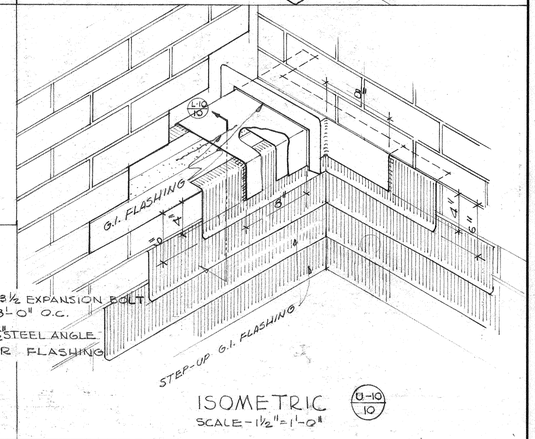
SECTION Q-10/5 10
SCALE - 1½" = 1'-0"



SECTION S-10/10
SCALE - 1½" = 1'-0"



SECTION T-10/2 10
SCALE - 1½" = 1'-0"



ISOMETRIC
SCALE - 1½" = 1'-0"

DATE	NO.	REVISED	DESTROY ALL PRINTS BEARING EARLIER DATE	CHK.	APP'D BY

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761
APPROVED 6-14-50
PRINCIPAL STRUCTURAL ENGINEER

- M-80-7 -

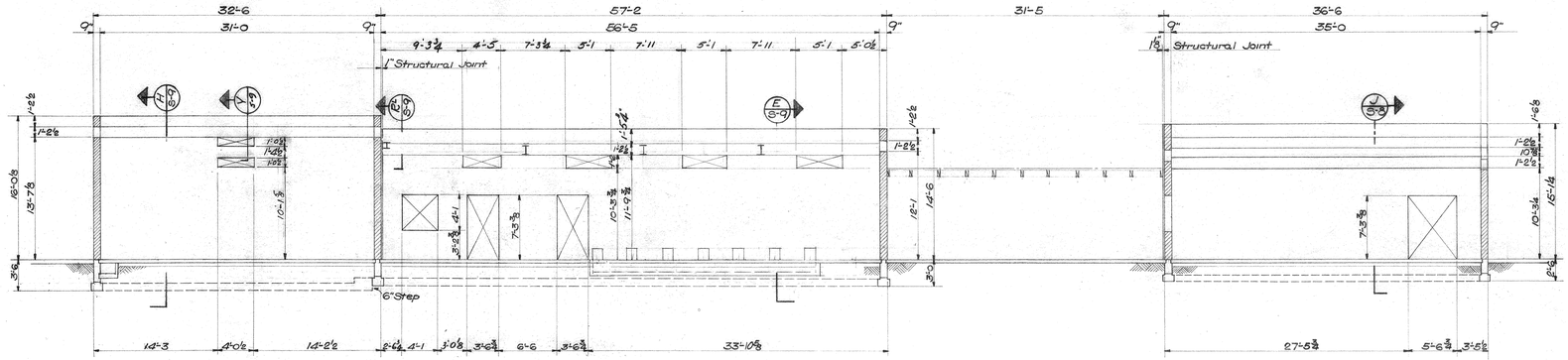
UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL
GYMNASIUM
RIVERSIDE CALIFORNIA

ROOF PLAN & EXTERIOR DETAILS

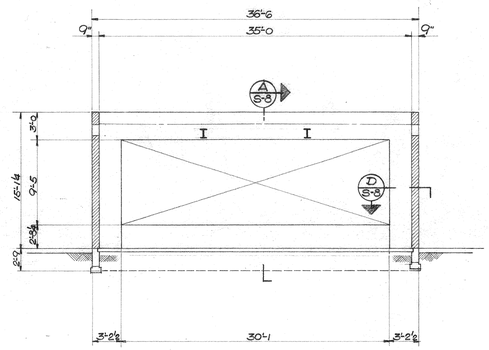
BOLTON CALDWELL MOISE JR. ARCHITECT
3514 9TH STREET RIVERSIDE, CALIFORNIA

CHECKED [signature] DATE APRIL 12TH 1950

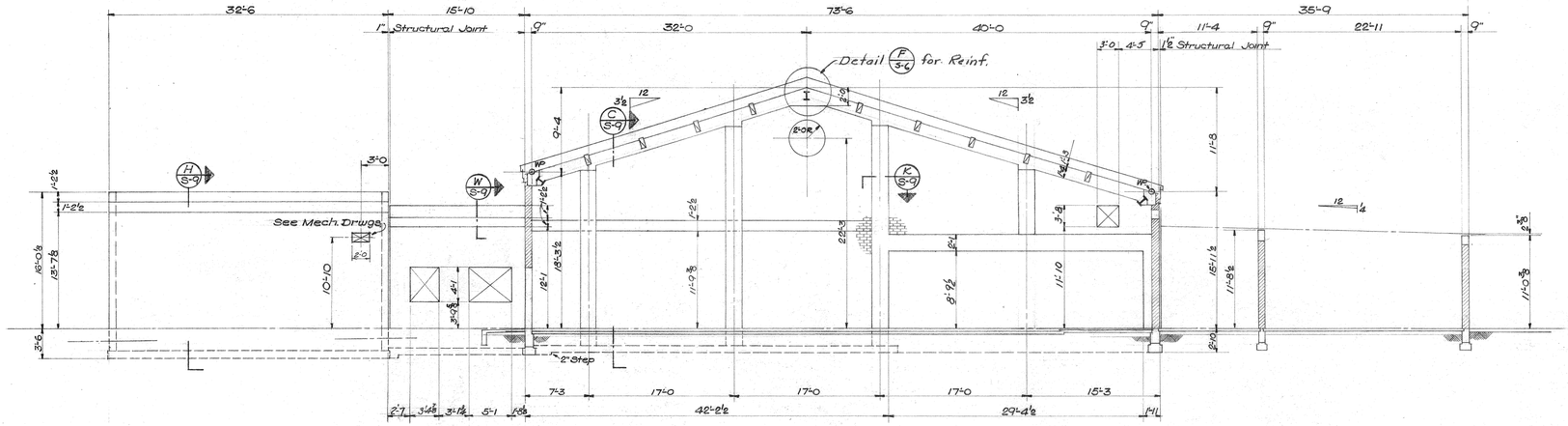
JOB No. 4914
SHEET 10 OF 10 SHEETS



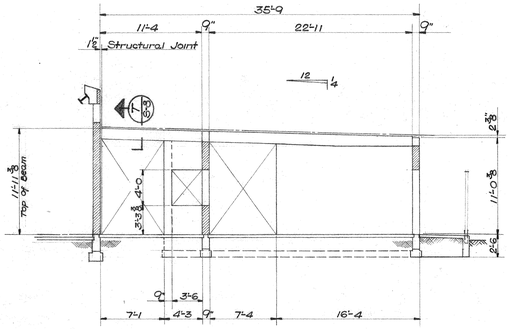
SECTION (A S-6)



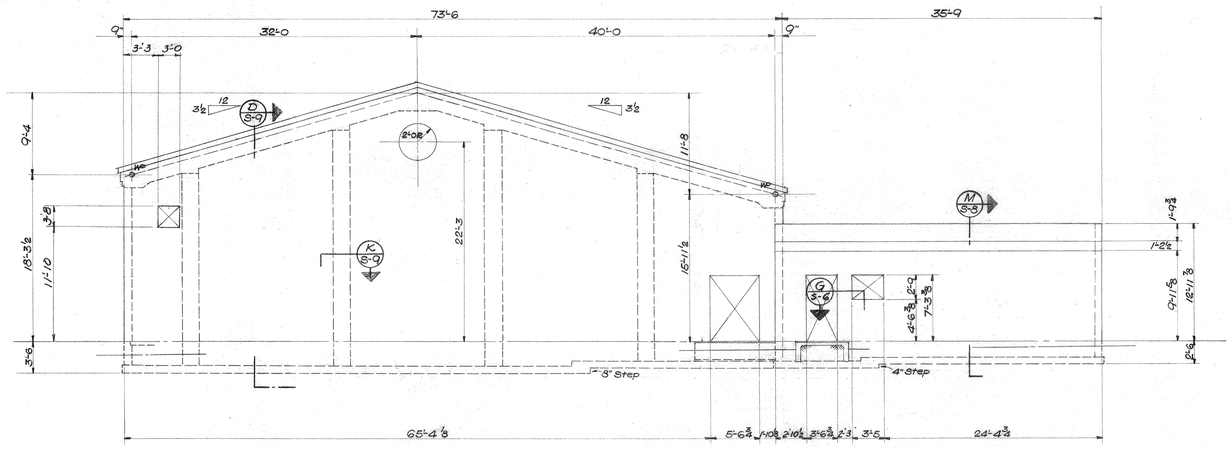
SECTION (D S-6)



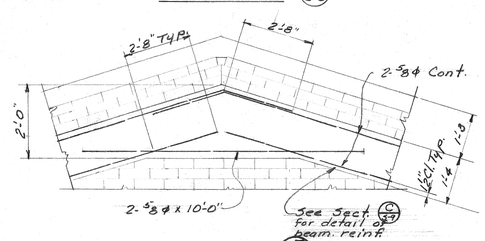
SECTION (B S-6)



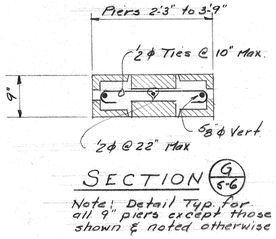
SECTION (E S-6)



SECTION (C S-6)



DETAIL (F S-6)



SECTION (G S-6)

Note: Detail Typ. for all 9" piers except those shown & noted otherwise

NOTES:-

See Sections For Details Of Continuous Bond Beams Indicated In Walls-

All Walls Of 3¼ x 3¼ x 10 Brick, Reinforced & Grouted, Unless Shown Or Noted Otherwise-

Dimensions To Bottom Of Footings Are Approximate. Check With Actual Field Conditions.

M - 80 - 12

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPLICATION NO. 7761 — APPROVED 4-14-50 Harry W. Bolton, PRINCIPAL STRUCTURAL ENGINEER	NEIL RICHARDS & ASSOCIATES ENGINEERS LOS ANGELES CALIFORNIA APP'R Neil M. Richards CAL. REG. NO. 6150 DATE 1-13-50	UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM RIVERSIDE — CALIFORNIA	WALL ELEVATIONS Nº 1 BOLTON CALDWELL MOISE JR. ARCHITECT 3514 9TH STREET RIVERSIDE, CALIFORNIA CHECKED DATE	JOB No. 4914 SHEET S-6 OF SHEETS

NAILING SCHEDULE

DETAIL	NAILING
1- Joists Or Rafters To Sides Of Studs- 8" Joists Or Less	3-16d
For Each Additional 4" In Depth	1-16d
2- Joists Or Rafters To All Bearings- Toe Nails, Each Side	2-10d
3- Studs To Bearings- Toe Nails, Each Side	2-10d
4- Blocking Bet. Joists Or Rafters To Joist Or Rafters- Toe Nails, Each Side, Ea. End	2-10d
To Joist Or Rafter or Plate Toe Nails, Each Side	2-10d
5- Sheathing At All Bearings- 1x6	2-8d
1x8	3-8d
6- Cross Bridging Between Joists Or Rafters- Toe Nails, Each End	2-8d
7- Herringbone Blocking-	2-10d
8- Ceiling Strips 1x3 Furring Strips To Under Side Of Joists/Brg.	2-8d
1¼x2 Furring Strips To Underside Of Joists/Brg.	2-10d
9- Ribbons To Studs- 1" Ribbons	2-8d
2" Ribbons	2-16d
10- Double Top Plates- Lower Plate To Top Of Stud	2-20d
Upper Plate To Lower Plate (Staggered)	16d@18"
11- Multiple Studs- Stagger For Widths More Than 4"	16d@12"
12- Built-Up Beams- 8" Or Less In Depth-Stagg'd.	16d@12"
More Than 8" In Depth-Stagg'd.	⅝"φ Bolts @24"o/c
13- Double Joists Under Partitions Where Not Blocked Apart- (Staggered)-	16d@12"
Where Blocked Apart-At Each Block-	2-20d
14- 1" Stripping To Sheathing	8d@12"

15- Unless Otherwise Noted Or Indicated All 2" Material Shall Be Nailed With 2-16d At Each Bearing Or Joint And All 1" Material, With 2-8d At Each Bearing Or Joint-

16- All Nails Shall Be Common Wire Nails-

17- Where Possible Nails Driven Perpendicular To The Grain Shall Be Used Instead Of Toe Nails-

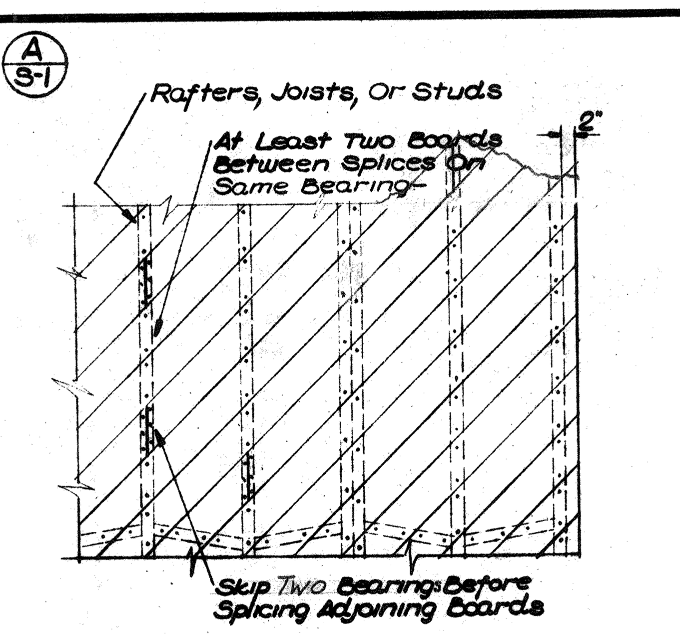
WASHER SCHEDULE

BOLT SIZE	STEEL PLATE WASHERS SQUARE	STEEL PLATE WASHERS ROUND	MAL. IRON ROUND
½	2½x2½x¼	2½x¼	2½x¼
⅝	2½x2½x¼	2¾x¼	2¾x 5/16
¾	2¾x2¾x5/16	3x 5/16	3x 7/16
⅞	3¼x3¼x⅜	3½x⅜	3½x 7/16
1	3¾x3¾x⅜	4x 7/16	4x½

NOTES: One Of These Washers Shall Be Used Under Heads & Nuts Of All Bolts Bearing On Wood-
No Indentations Of Surface Bearing Against Wood Allowable Unless Detailed-

LINTEL SCHEDULE

BEARING WALLS	
1- Openings 3'-6" Or Less	2-2x6
2- Openings 4'-0" To 7'-2"	1-6x6
3-	
NON-BEARING WALLS	
1- Openings 3'-0" Or Less	2-2x4
2- Openings 3'-6" To 6'-6"	2-2x6
3-	

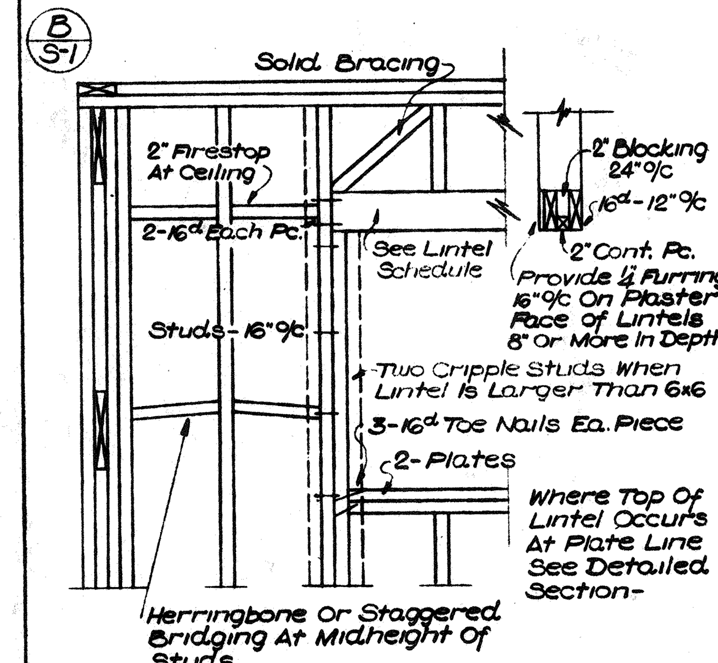


Nail Sheathing With 2-8d Each Intermediate Support & 3-8d At The End Of Each Piece; The 3-8d At The End Of Each Run To Be Not Less Than 2" From End Of Piece, As Shown Above- All Sheathing to be 1x6

Double Joists Or Studs Shall Be Considered A Single Bearing-

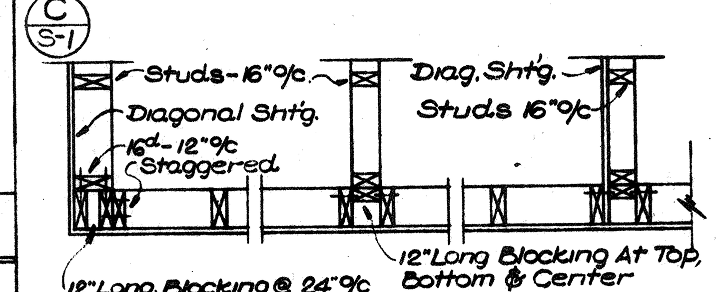
Note: Blocking & Bridging To Be Nailed Similar To Other Supports-

DIAGONAL SHEATHING DET'LS. FOR ROOF, FLOORS & WALLS



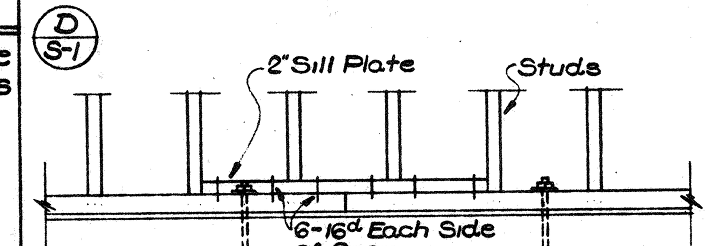
Note- Use One Stud Each Side Of Opening Less Than 3'-0 Wide In Non-Bearing Walls- Use Two Full Studs At All Other Openings-

TYPICAL WALL, DOOR & WINDOW FRAMING



Nail All Double Studs Together With 16d-12" o/c Staggered-

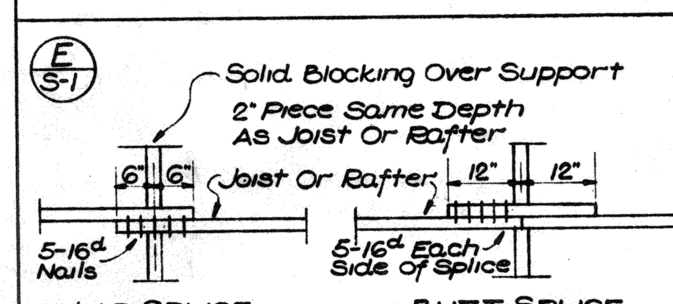
TYPICAL STUD WALL INTERSECTIONS



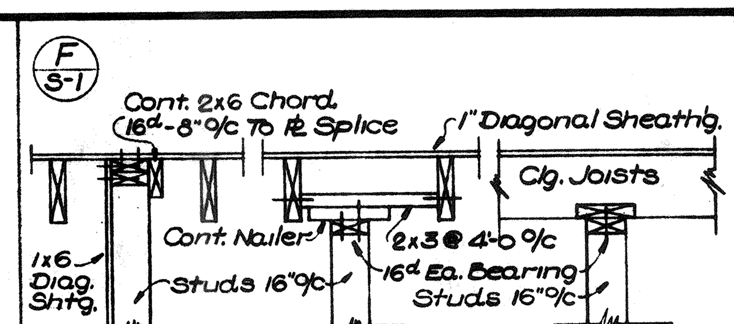
Typical Anchor Bolts 4'-0 o/c Max. Diagonal Sheathed Walls 2'-8 o/c

Note- Where Any Stud Occurs Over Any Part Of An Anchor Bolt Or Washer Install Double Sill Between Adjacent Studs Similar To This Detail. Cut Recess In Top Sill For Bolt Projection-

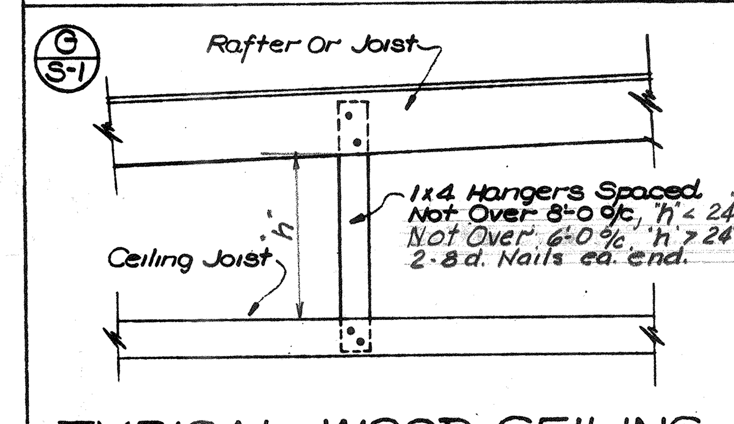
TYPICAL SPLICE IN SILL PLATE



TYPICAL JOIST AND RAFTER SPLICE



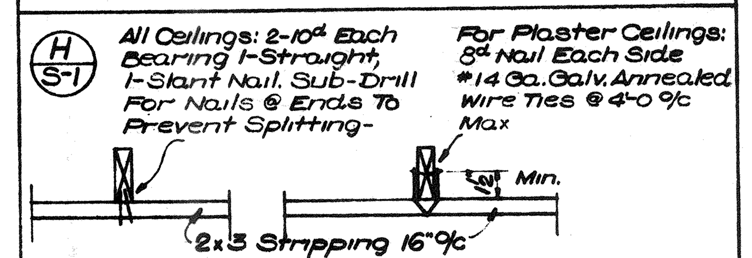
TYPICAL DETAILS FOR INTERIOR PARTITIONS



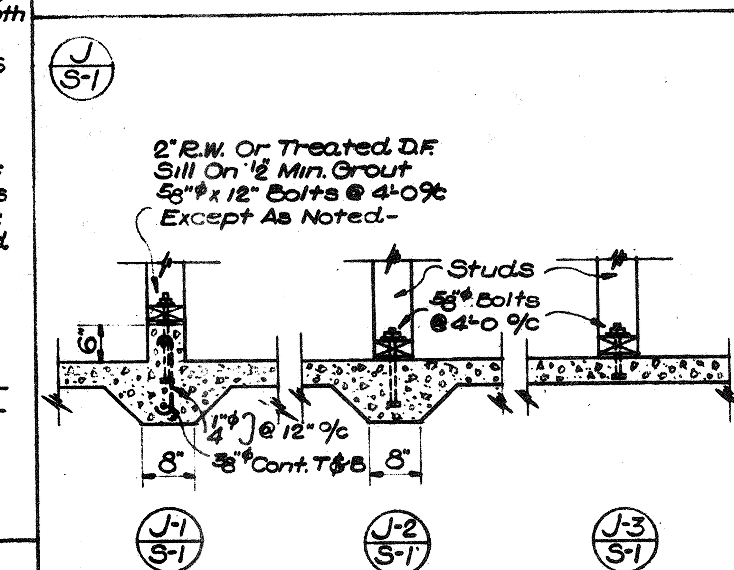
TYPICAL WOOD CEILING JOIST HANGERS

All Ceilings: 2-10d Each Bearing 1-Straight, 1-Slant Nail. Sub-Drill For Nails @ Ends To Prevent Splitting-

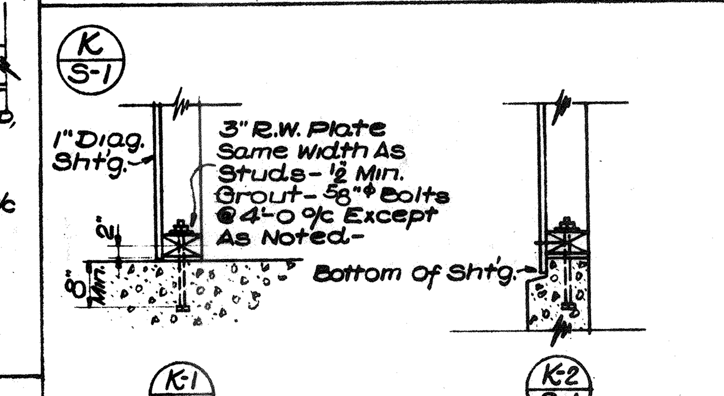
For Plaster Ceilings: 8d Nail Each Side #14 Ga. Galv. Annealed Wire Ties @ 4'-0 o/c Max



STRIPPING FASTENING DETL'S

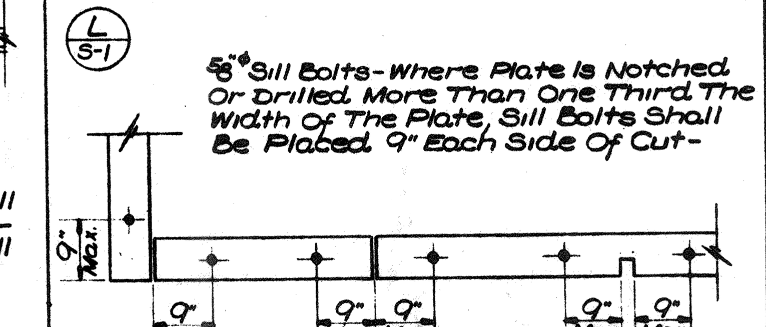


TYPICAL NON-BEARING PARTITIONS



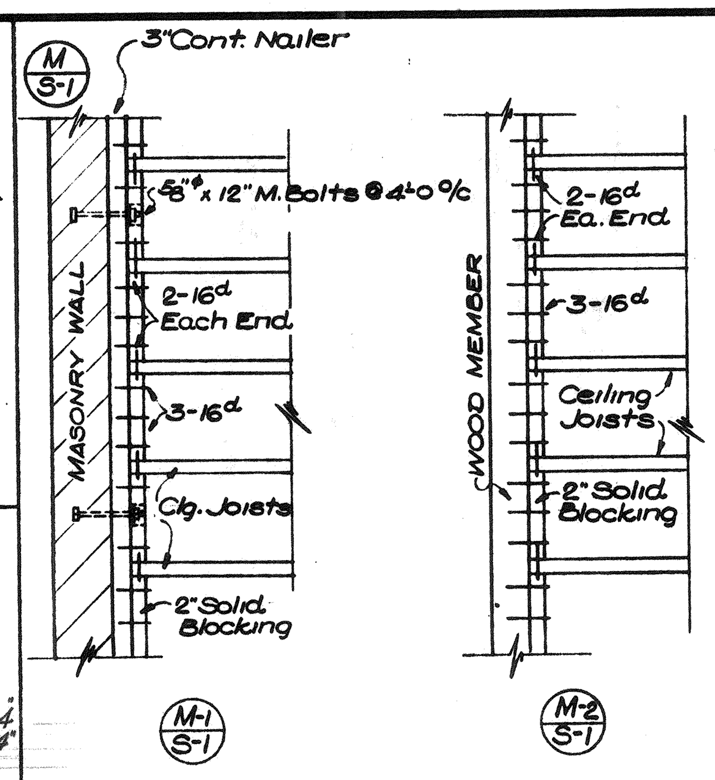
BASE DETAILS FOR DIAGONALLY SHEATHED WALL

⅝"φ Sill Bolts- Where Plate Is Notched Or Drilled More Than One Third The Width Of The Plate, Sill Bolts Shall Be Placed 9" Each Side Of Cut-

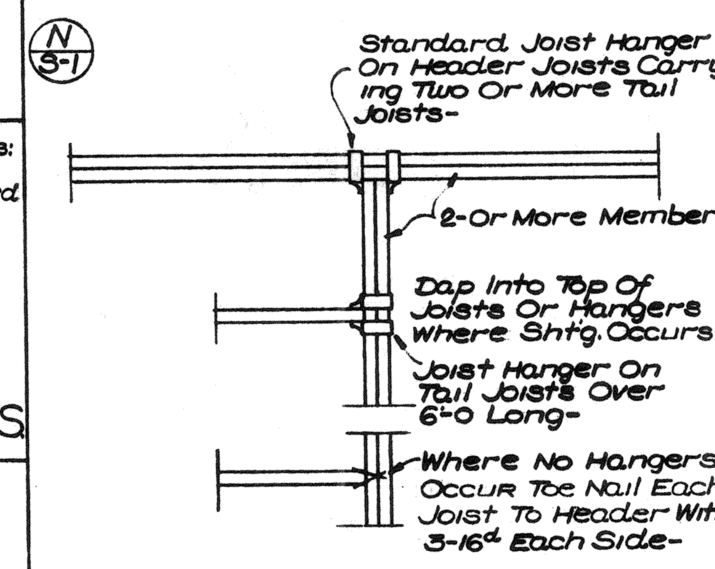


Plates Less Than 6" In Width Shall Not Be Notched Or Drilled Unless Shown On Drawings-

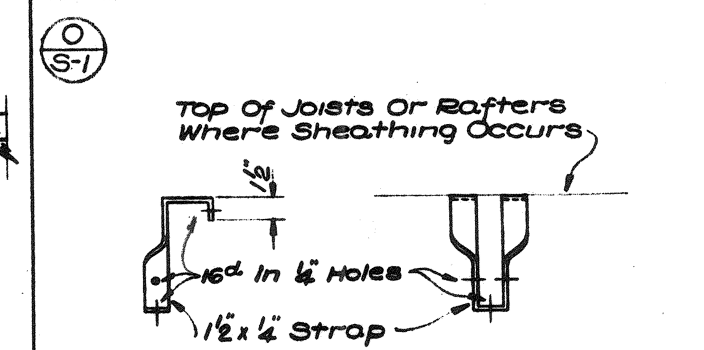
TYPICAL STRUCTURAL WALL SILL PLATE DETAIL



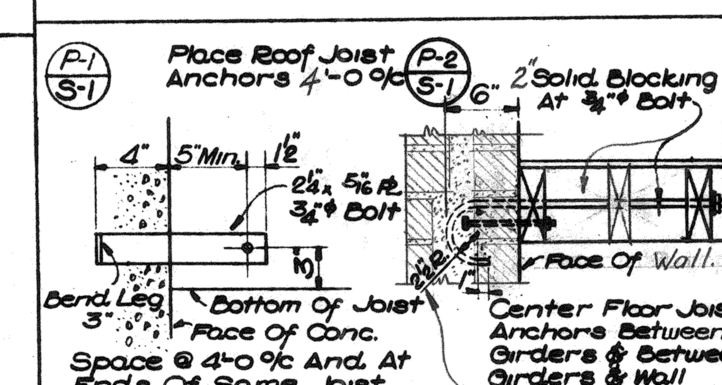
TYPICAL PROGRESSIVE NAILING DETAIL



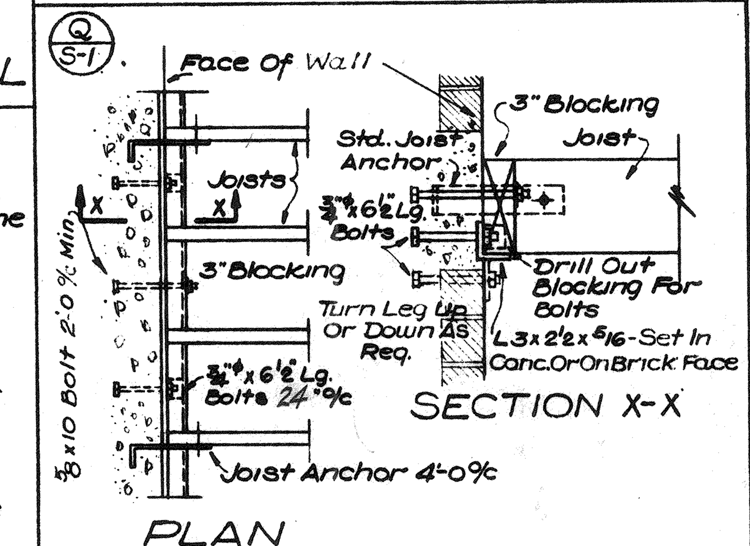
TYPICAL SUPPORT OF JOISTS & RAFTERS AT OPENINGS



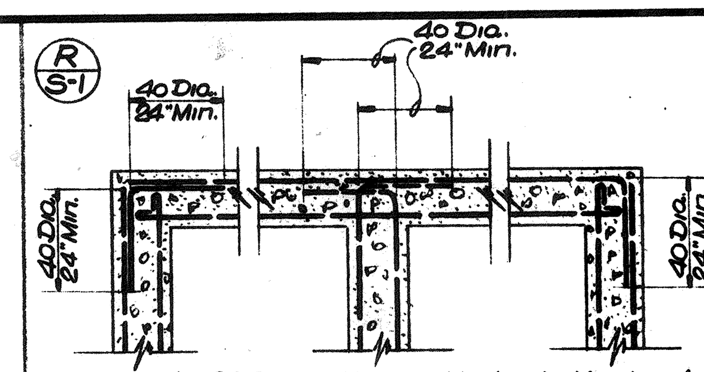
STANDARD JOIST HANGER



TYPICAL JOIST ANCHORS



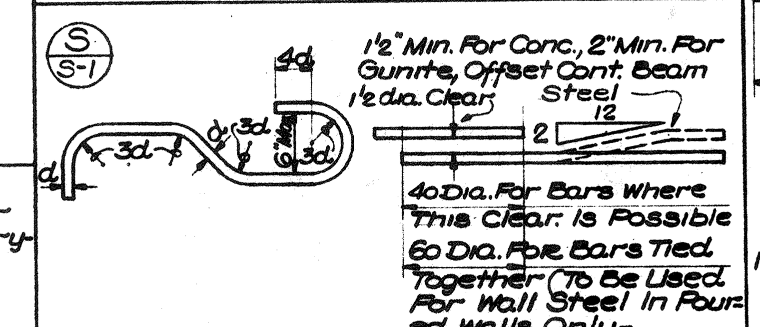
TYPICAL SHELF ANGLE



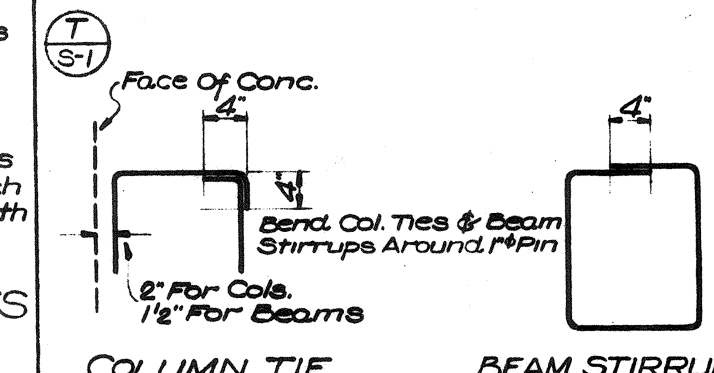
Hook Ends Of Bars Placing Hooks In Vertical Position. In Footings Bend Outside Bars Only; Hook All Other Bars.
Where Single Curtain Of Reinforcing Occurs Bend Steel As Shown For Bars In Outside Face.

ALTERNATE CORNER — INTERSECT'N. — TYPICAL CORNER

TYPICAL CONCRETE REINFORCING PLANS FOR WALLS, BEAMS & FOOTINGS

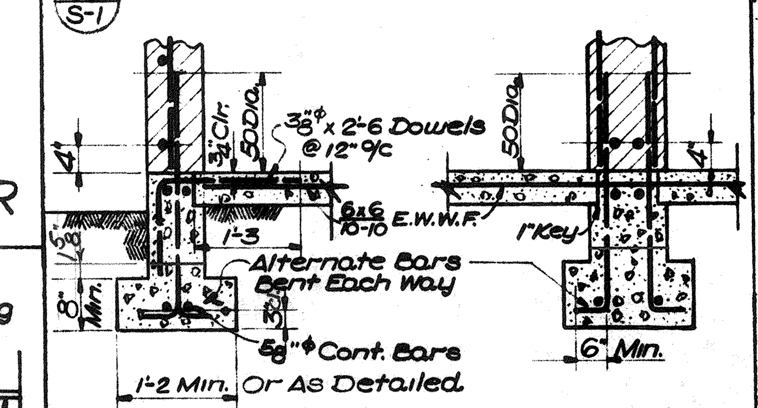


REINFORCING HOOKS, BENDS & SPLICE DETAILS



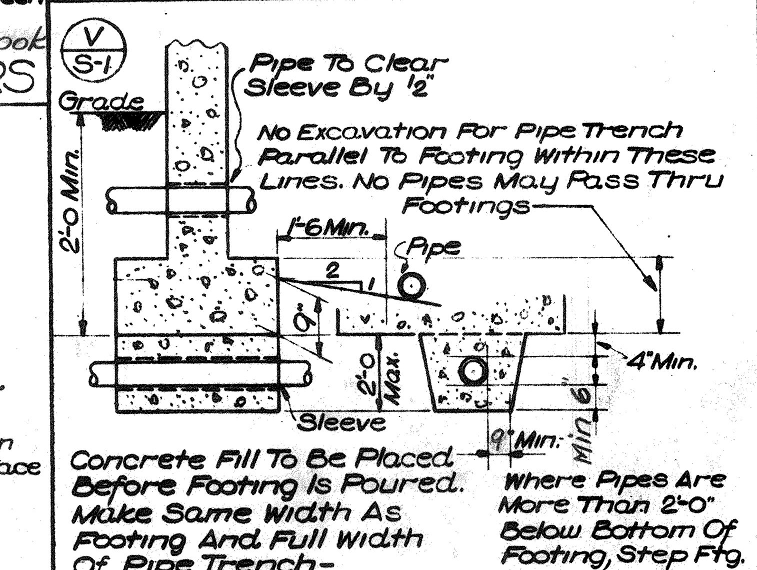
Place All Hooks On Same Longitudinal Bar. Dimensions Are Given To Inside Of Ties & Stirrups-

TYPICAL BEAM & COLUMN TIES



Dowels To Be Same Size & Spacing As Vertical Wall Steel. Bent Portion To Be Placed At An Angle So That The Entire Dowel Is Within The Space Allowed In The Footing- Note Exceptions on Drwg. S-9.

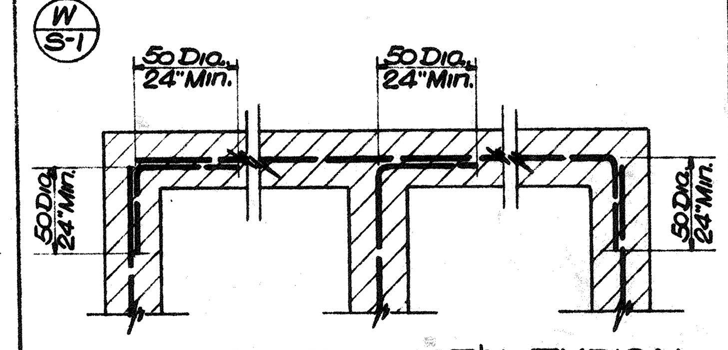
TYPICAL FOOTING DOWELS



Concrete Fill To Be Placed Before Footing Is Poured. Make Same Width As Footing And Full Width Of Pipe Trench-

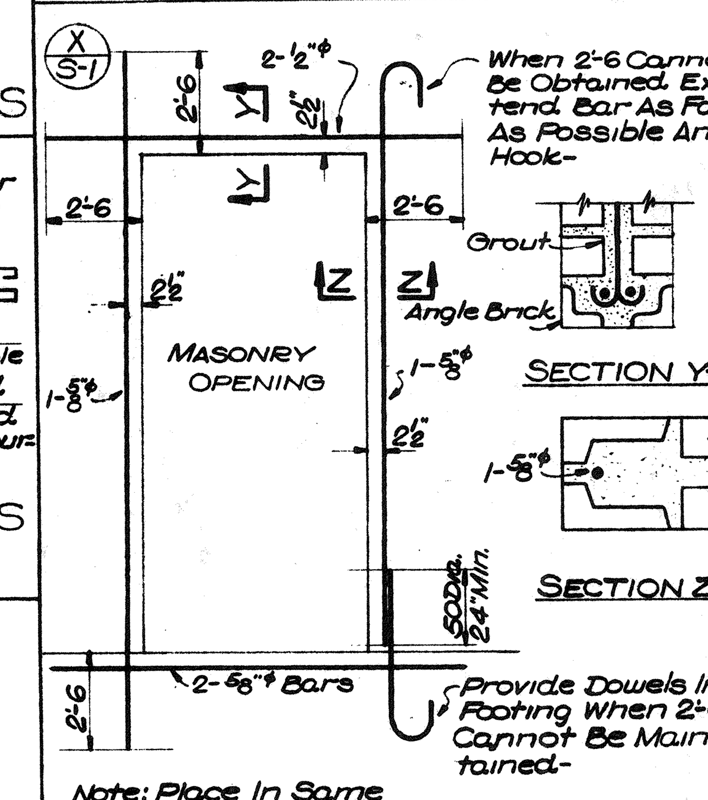
Where Pipes Are More Than 2'-0" Below Bottom Of Footing, Step Ftg. Down-

DETAIL OF PIPES AT CONCRETE FOOTINGS



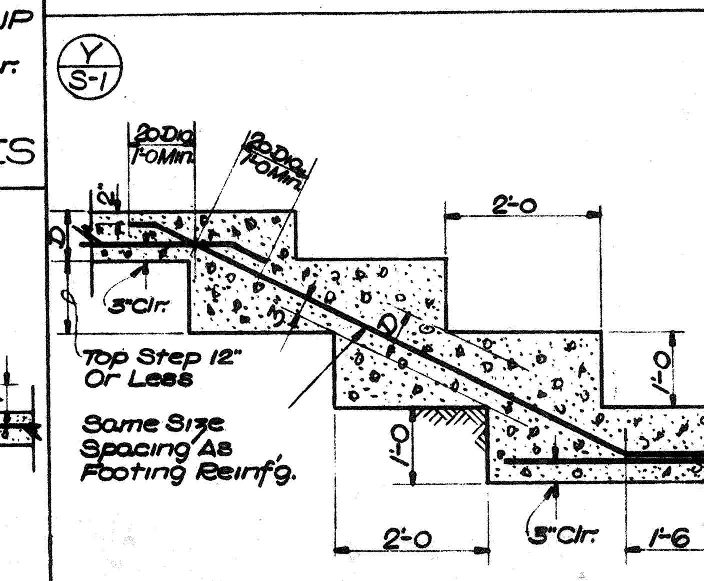
ALTERNATE CORNER — INTERSECT'N. — TYPICAL CORNER

TYPICAL BRICK MASONRY REINFORCING PLANS FOR WALLS, BEAMS & FOOTINGS

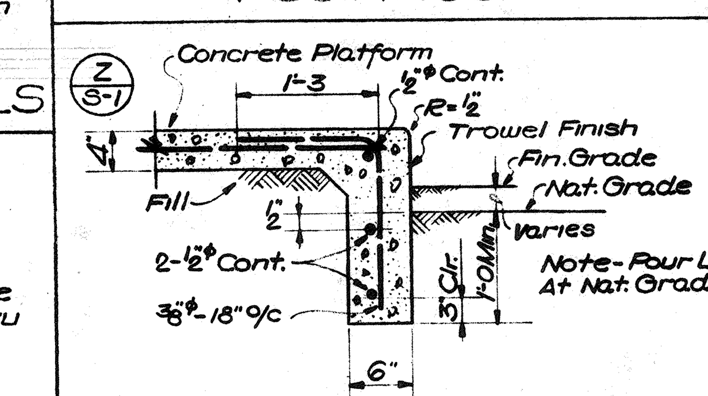


Note: Place In Same Plane As Vertical Wall Steel-

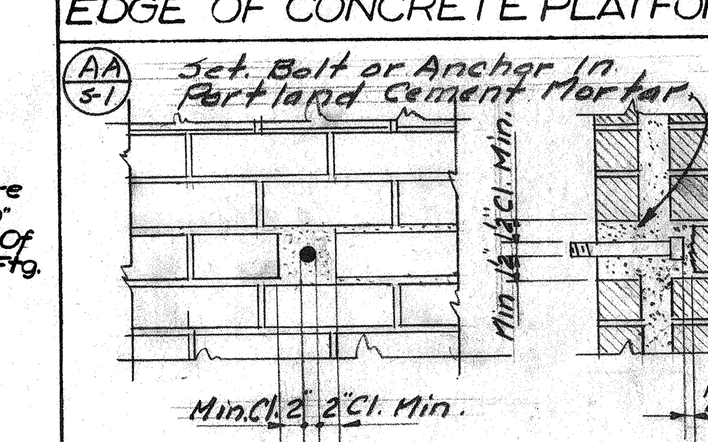
TYPICAL REINFORCING AROUND OPENINGS IN MASONRY WALLS



TYPICAL STEPS IN WALL FOOTINGS



EDGE OF CONCRETE PLATFORM



DETAIL OF WALL INSERT

Note: Joist Anchors, and other Wall Inserts are to be set similar to bolt shown above.

GENERAL NOTES

1- The General Contractor Must Verify All Dimensions Before Starting Work-

2- Notes & Details On Drawings Shall Take Precedence Over These General Notes & Dtls.

3- See Architectural, Mechanical & Electrical Drawings For Details & Location Of Moulds, Grooves, Clips, Inserts & Grounds; As Well As Pipe, Bent, Duct & Other Similar Openg's.

4- No Pipes Or Ducts Shall Be Placed In Masonry Walls Or Concrete Slabs & Footings Unless Specifically Detailed-

5- If The Contractor Wishes To Make Any Construction Joints Other Than Those Shown & Noted On The Drawings, He Must Submit Details Of Same To The Engineer For Approval Before Starting Work-

6- The Character Of The Soil Of The Foundation Bed May Be Described As:- An Inorganic Hard Clay Loam With A High Percentage Of Coarse Sandy Particles-

7- Soil Pressure:-
Max. Dead & Live Load---2000 lbs./Sq. Ft.
Uniform Dead Load-----1580 lbs./Sq. Ft.

8- All Footings Shall Be Of Concrete & Shall Extend Down To Firm Undisturbed Soil At Least 2'-0 Below The Finished Grade & At Least 18" Below Original Ground Elevation.

9- All Concrete Shall Have A Minimum Compressive Strength Of 2500 lbs./Sq. In. @ 28 Days Unless Otherwise Specified-

10- All Masonry Reinforcement Shall Be Of Structural Grade Deformed Bars & Shall Conform With The Requirements Of The A.S.T.M. "Standard Specifications For Billet-Steel Concrete Reinforcement Bars." Designation A15-39
Wire Fabric Specified For Floor Slab Reinforcement Shall Conform With The Requirements Of The A.S.T.M. "Specifications For Welded Steel Wire Fabric For Concrete Reinforcement" Designation A185-37

11- All Reinforcing Steel, Anchor Bolts, Dowels & Other Inserts Shall Be Well Secured In Position Prior To The Pouring Of Concrete Or Grout-

12- Unless Shown Otherwise In Details, Furnish ⅜"φ Spacer Bars @ Approximately 3'-0" O.C. In All Beams & Footings To Keep Main Reinforcing In Place-

13- All Brick Used In Masonry Walls Shall Be Of Burned Clay Or Shale, & Shall Be Of Quality At Least Equal To That Required By A.S.T.M. "Standard Specifications For Building Brick," Designation C62-44 Grade M.W.-
Hollow Glazed Tile Shall Have Vertical Cores & Shall Conform With The Requirements A.S.T.M. "Standard Specifications For Structural Clay Load-Bearing Wall Tile," Designation C34-41, Grade LB.X

14- All Brick & Tile Shall Be Laid With Full Shoved Mortar Joints, With Head & Bed Joints Solidly Filled. All Interior Joints & Vertical Flues In Wall Tile Shall Be Solidly Filled With Grout, & The Grout Rodded To Assure That All Of The Enterstices Have Been Filled. One Exterior Withe Of Brick May Be Carried Up 5 Courses Before Grouting But The Other Exterior Withe & Wall Tile May Be Carried Up Only One Course Before Placing Grout-

15- Cement Mortar Shall Be Composed Of 3 Parts Mortar Sand, 1 Part Portland Cement & ¼ Part Lime Putty By Volume. Grout Shall Be Of The Same Proportions As The Mortar With Sufficient Water Added To Produce A Consistency Suitable For Pouring Without Segregation-

16- All Brick Masonry Shall Be Kept Moist For At Least 7 Days After Being Laid.

17- All Structural Steel Tie Rods, Bracing & Miscellaneous Iron Shall Conform With The Requirements Of A.S.T.M. "Standard Specifications For Structural Steel For Bridges & Buildings," Designation A7-39.

18- All Lumber Shall Be Coast Region Douglas Fir With A Moisture Content Not In Excess Of 19% By Weight. Plates Bearing On Masonry Or Concrete Less Than 6'-0 Above Ground Shall Be Pressure Treated Douglas Fir
All Lumber Shall Be Manufactured & Graded In Accordance With The Current "Standard Grading & Dressing Rules" Of The West Coast Lumbermen's Ass'n. Minimum "Grade-Uses" Shall Be;
A- Beams & Stringers- 5" & Thicker- Select Str.
B- Joists & Plank- 4" & Thinner No.1 Dimension
C- Posts & Timbers--------- No.1 Timbers
D- Miscellaneous Framing---- No.1
E- 1" Sheathing----------- No.1

19- No Structural Member Shall Be Cut For Pipes, Vents, Ducts Or Similar Openings-

20- Abbreviations:
M. Bolts = Machine Bolts
C. Bolts = Carriage Bolts.

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761
APPROVED 4-14-50
Harry M Bolin
PRINCIPAL STRUCTURAL ENGINEER

NEIL RICHARDS & ASSOCIATES
ENGINEERS
LOS ANGELES CALIFORNIA
APP'R Neil A Richards DATE 1-13-'50
CAL. REG. NO. 6180

UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM
RIVERSIDE — CALIFORNIA

TYPICAL DETAILS

BOLTON CALDWELL MOISE JR.
ARCHITECT
3514 9-TH STREET RIVERSIDE, CALIFORNIA

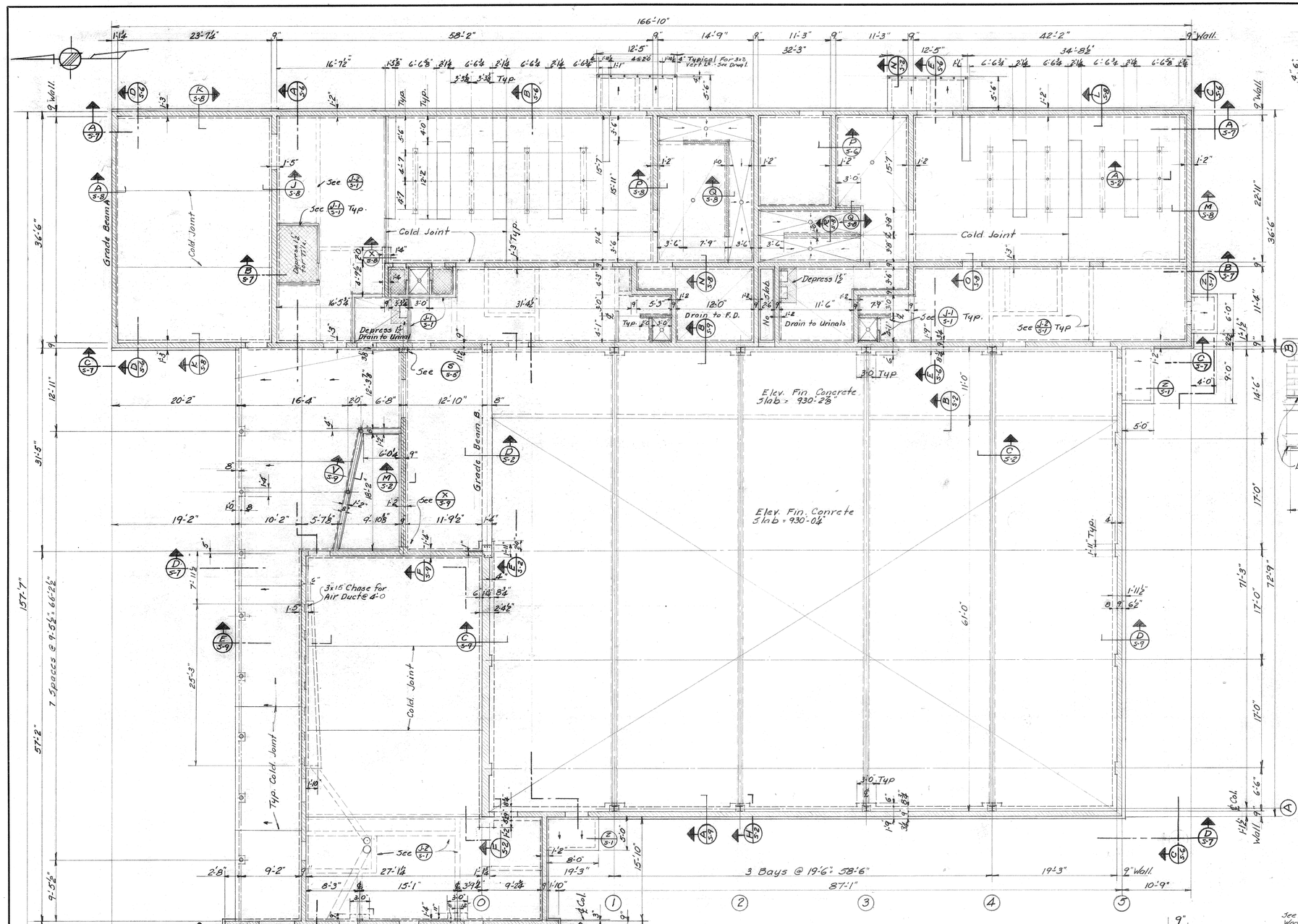
CHECKED DATE

JOB No. 4914
SHEET S-1
OF SHEETS

K-80-8

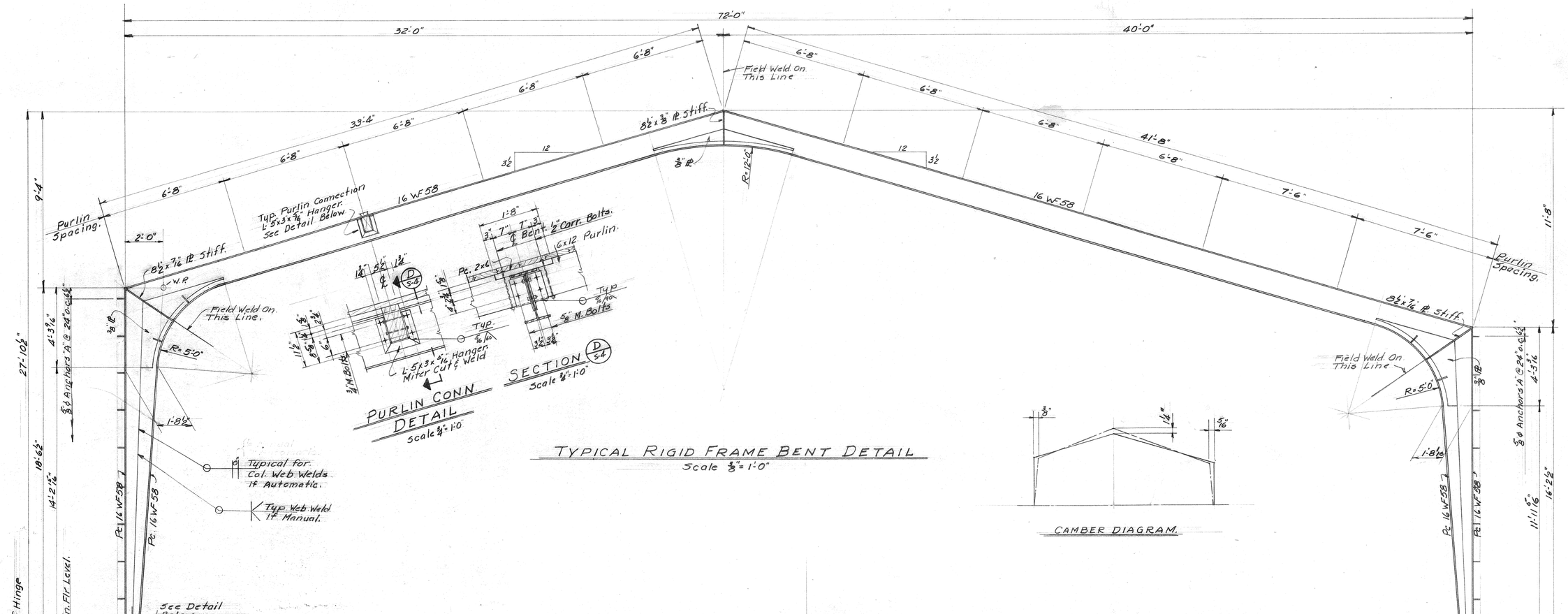
FLOOR SLAB & FOUNDATION PLAN

Scale 1/8" = 1'-0"

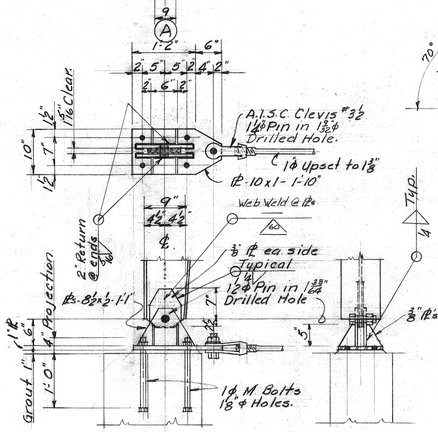

166'-10"
58'-2"
42'-2"
32'-3"
34'-8½"
Grade Beam A
Grade Beam B
Cold Joint
Elev. Fin. Concrete Slab = 930'-2⅝"
Elev. Fin. Concrete Slab = 930'-0¼"
Drain to F.D.
Drain to Urinals
Depress 1½"
Depress 1½" Drain to Urinal
3'x15" Chase for Air Ducts @ 4'-0"
7 Spaces @ 4'-5½" = 31'-0"
Typ. Cold Joint
3 Bays @ 19'-6" = 58'-6"
87'-1"
9" Wall
Wall 9"
50'-0"
51'-6"
17'-6"
157'-7"
Typical For 3x8 Vert. Reinf. - See Drwg.
Typ. Cold Joint
Cold Joint
Cold Joint

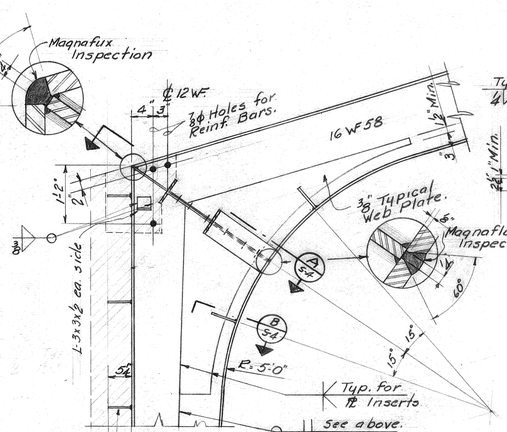
TYPICAL RIGID FRAME BENT DETAIL

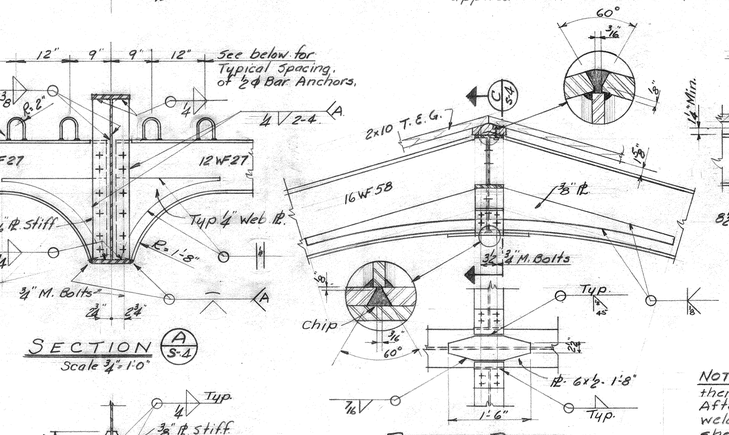
Scale 3/8" = 1'-0"

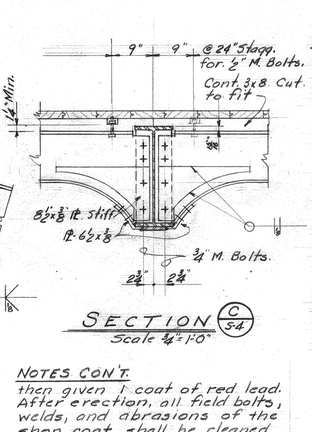


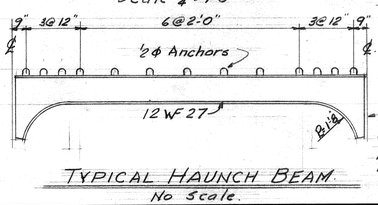
CAMBER DIAGRAM.



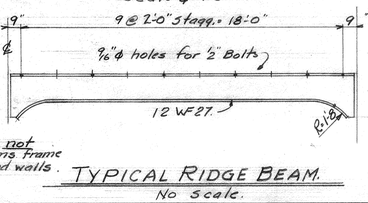








Note: Haunches not req'd where beams frame into masonry and walls.



NOTES:

All steel shall be furnished, fabricated and erected in conformance with the requirements of the California Administrative Code, Title 21, Department of Architecture, last edition.

Structural steel shall conform to the A.S.T.M. "Standard Specifications for Structural Steel for Bridges and Buildings", designation A7-39.

All welding shall be done by the "Shielded Electric Arc" process, using heavily coated electrodes. Welding in the shop may be either manual or automatic.

Welding shall be done only by duly qualified welders, acceptable to the Division of Architecture.

Supervision, by a qualified welding inspector of all field and shop welding operations will be required. Magnaflux inspection of completed welds will be required where indicated on the drawing, and in addition magnaflux inspection of 10% of all other welds will be required.

Field welds marked 'A' shall be made after the concrete bond beam has been poured and has set. Magnaflux inspection of these welds will not be required.

Holes for bolts shall be 1/16 larger than the bolt specified, except where noted. The length of the unthreaded portion of the bolt shank shall be such that when the nut is turned tight, full bearing is provided for all members connected. Recessed nuts shall be used to secure full grip between nut and bolt and to avoid bearing on bolt threads.

Curved soffits of steel beams shall be hot rolled to the true radii indicated.

All steel, except surfaces to be encased in concrete, shall be thoroughly cleaned of mill scale, rust, and foreign matter, and then given 1 coat of red lead. After erection, all field bolts, welds, and abrasions of the shop coat shall be cleaned and spot painted with the same paint used for the shop coat. Steel surfaces, not incased in cone, which may be inaccessible for finish painting after completion of the building, shall be painted with 2 coats of red lead. See Specifications.

All welding shall be done in the shop, except necessary welding at haunches & ridge for assembly.

Note: Weld sequence shall be such as to minimize distortion and locked up stresses.

- M - 80 - 10

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	NEIL RICHARDS & ASSOCIATES ENGINEERS	UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM	RIGID FRAME BENT
APPLICATION NO. 7761 APPROVED 4-14-50 Harry W. Botzer PRINCIPAL STRUCTURAL ENGINEER	LOS ANGELES CALIFORNIA APPR'D Neil A. Richards CAL. REG. NO. 6150 DATE 1-13-50	RIVERSIDE — CALIFORNIA	BOLTON CALDWELL MOISE JR. ARCHITECT 3514 9TH STREET RIVERSIDE, CALIFORNIA
			JOB No. 4914 SHEET S-4
		CHECKED DATE	OF SHEETS

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761 — APPROVED 4-14-50
Harry W. Bolin — PRINCIPAL STRUCTURAL ENGINEER

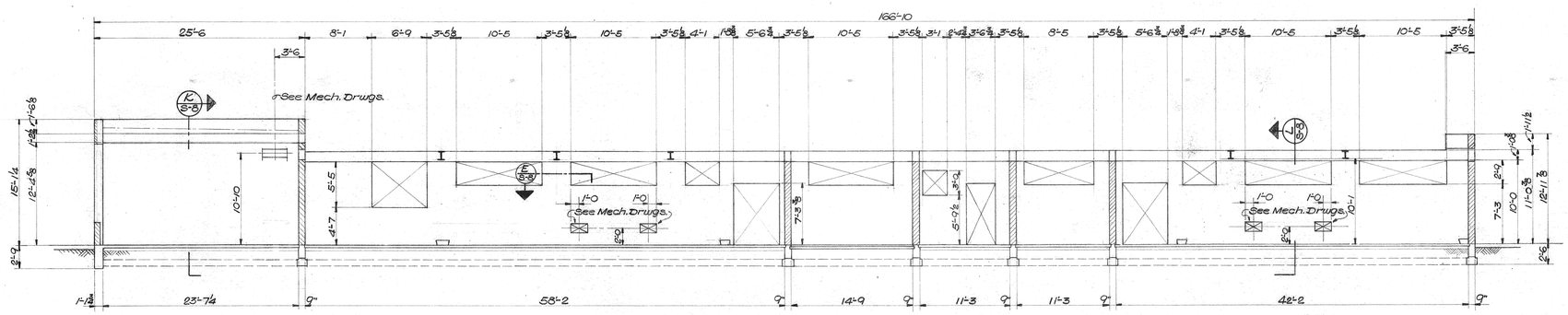
NEIL RICHARDS & ASSOCIATES
ENGINEERS
LOS ANGELES — CALIFORNIA
APP'R Neil Richards — CAL. REG. NO. 6150 — DATE 1-13-50

UNIVERSITY HEIGHTS
JUNIOR HIGH SCHOOL
GYMNASIUM
RIVERSIDE — CALIFORNIA

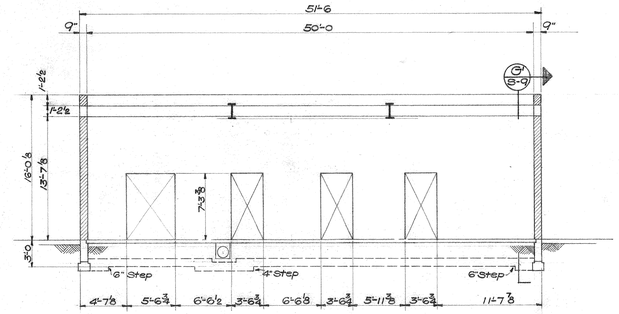
BRACING DETAILS

BOLTON CALDWELL MOISE JR.
ARCHITECT
3514 9TH STREET — RIVERSIDE, CALIFORNIA
CHECKED — DATE

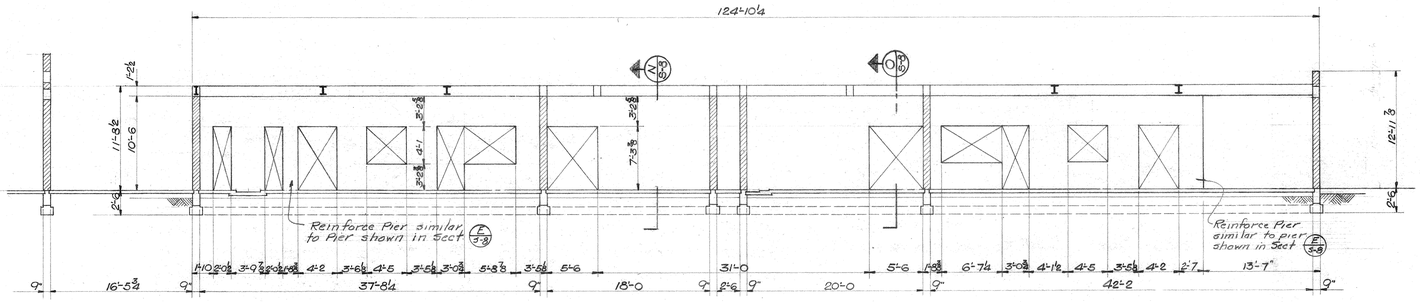
JOB No. 4914
SHEET S-5
OF SHEETS



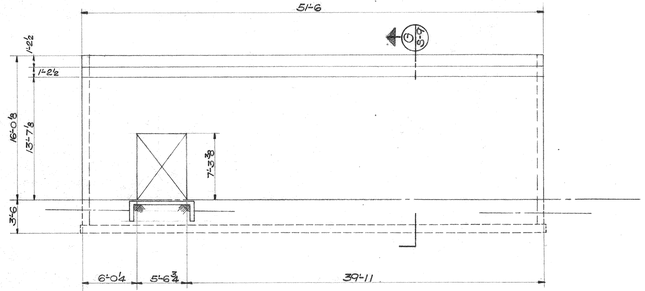
SECTION (A / S-7)



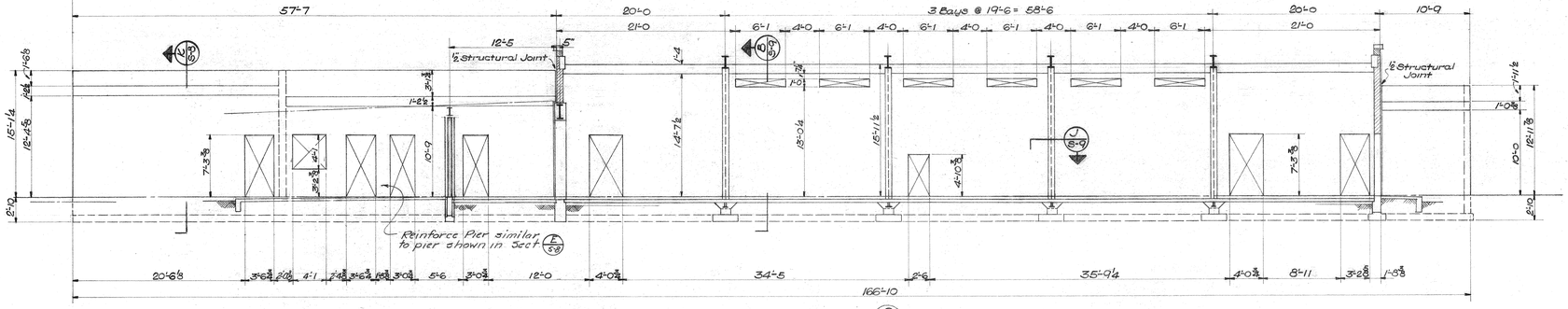
SECTION (E / S-7)



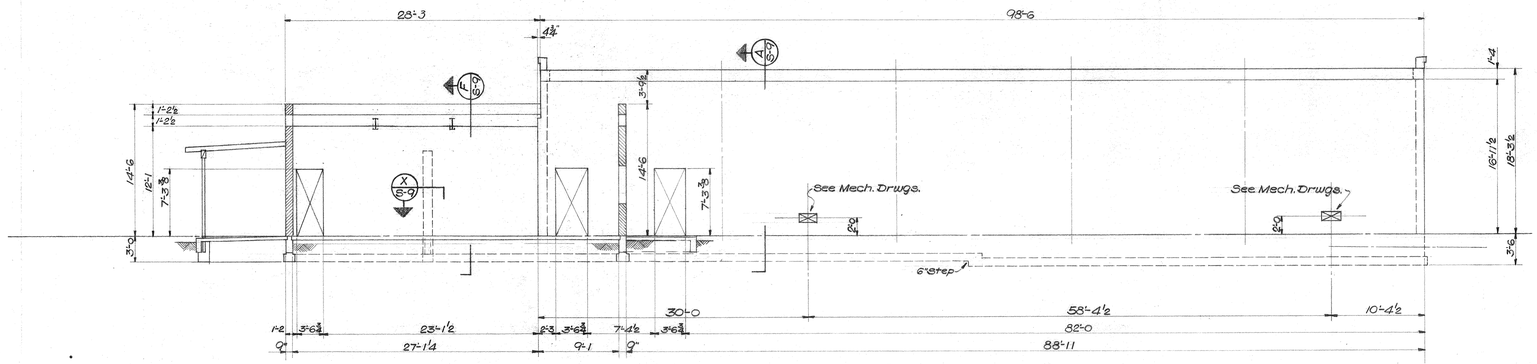
SECTION (B / S-7)



SECTION (F / S-7)



SECTION (C / S-7)



SECTION (D / S-7)

NOTE:-
See Sections For Details Of Continuous Bond Beams Indicated In Walls.
All Walls Of 3¼ x 3¼ x 10 Brick, Reinforced & Grouted, Unless Shown Or Noted Otherwise.
Dimensions To Bottom Of Footings Are Approximate. Check With Actual Field Conditions.

- M - 80 - 13 -

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS - DIVISION OF ARCHITECTURE
APPLICATION NO. 7761 — APPROVED 4-14-50 — Harry M. Bolton — PRINCIPAL STRUCTURAL ENGINEER

NEIL RICHARDS & ASSOCIATES
ENGINEERS
LOS ANGELES CALIFORNIA
APPR. Neil Richards CAL. REG. NO. 6150 DATE 1-13-50

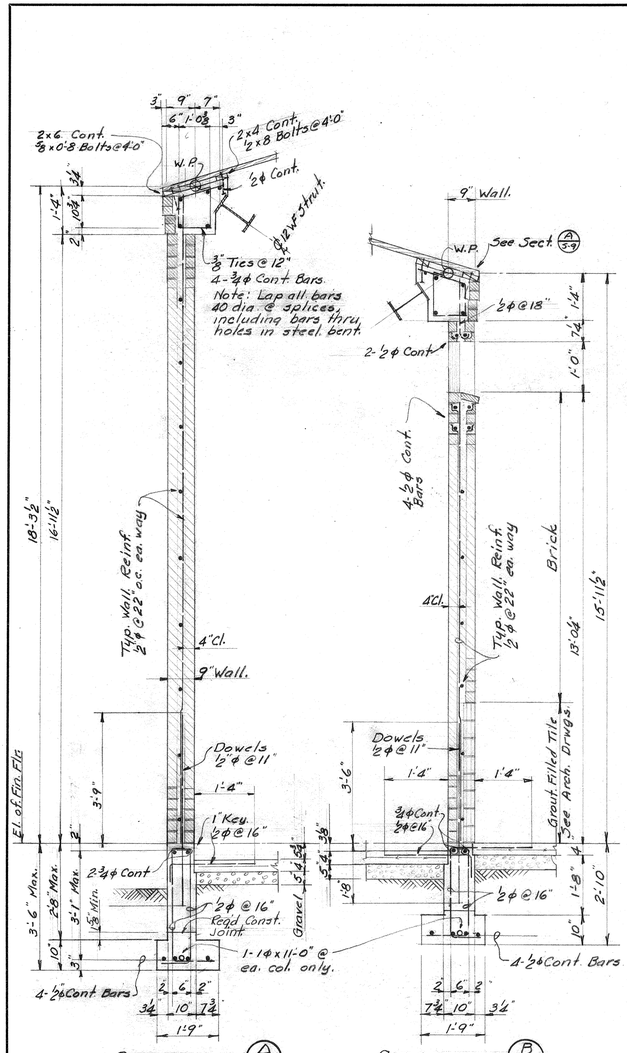
UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM
RIVERSIDE — CALIFORNIA

WALL ELEVATIONS Nº 2

BOLTON CALDWELL MOISE JR.
ARCHITECT
3514 9TH STREET RIVERSIDE, CALIFORNIA

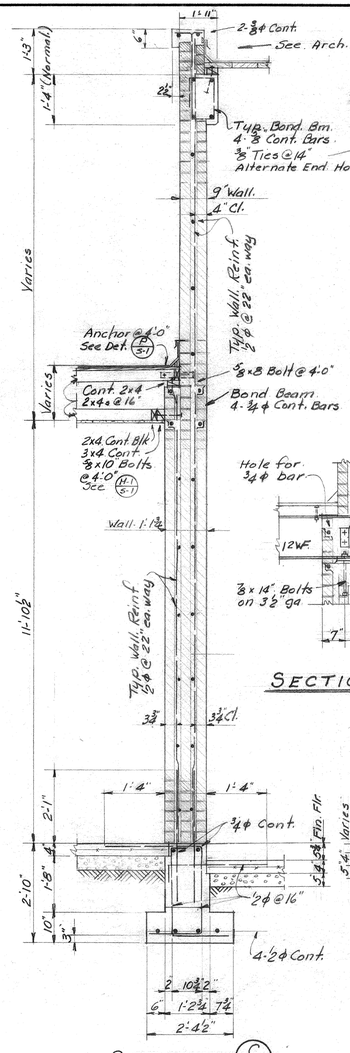
CHECKED DATE

JOB No. 4914
SHEET S-7
OF SHEETS

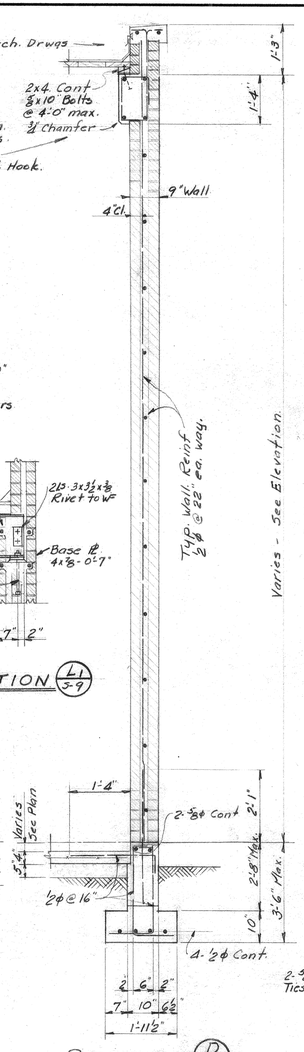


SECTION (A 5-9)

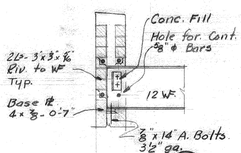
SECTION (B 5-9)



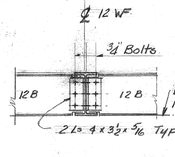
SECTION (C 5-9)



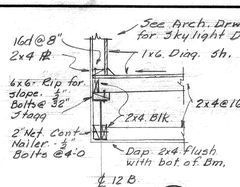
SECTION (D 5-9)



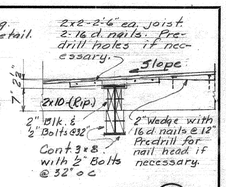
SECTION (L 5-9) (Far End Similar)



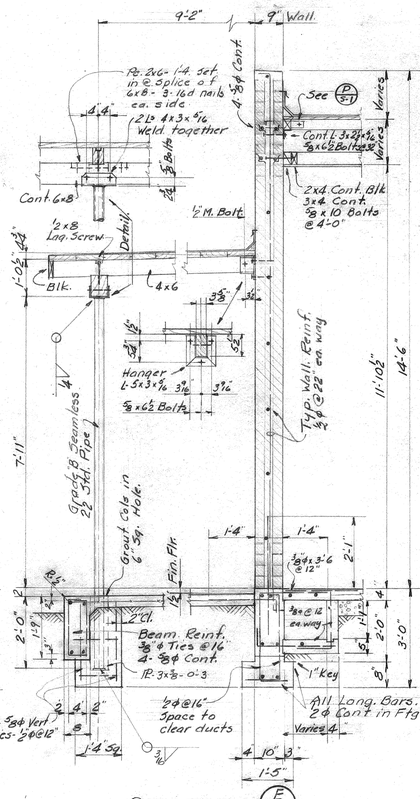
SECTION (M 5-9)



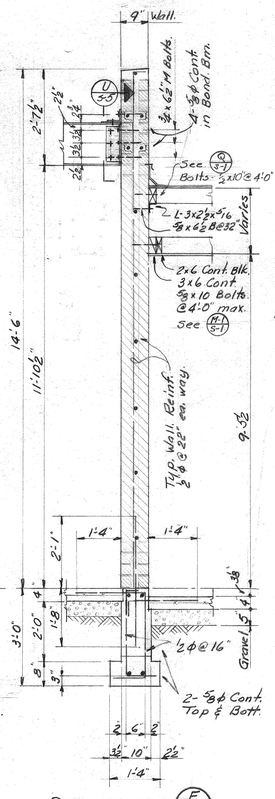
SECTION (N 5-9)



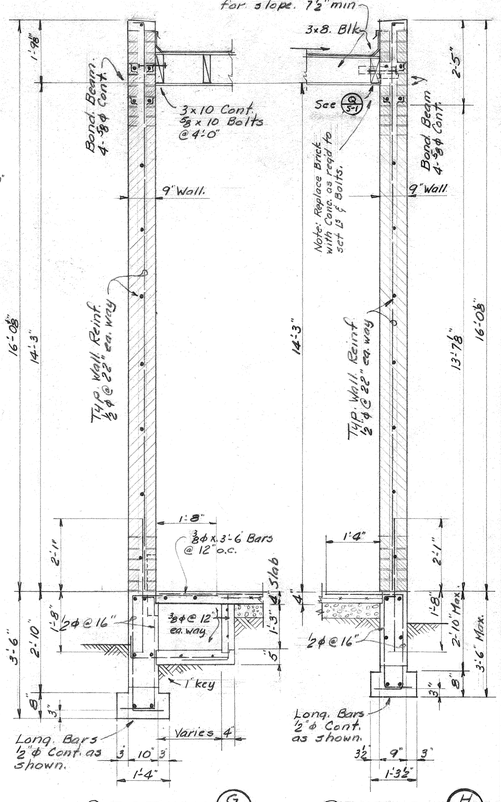
SECTION (O 5-9)



SECTION (E 5-9)

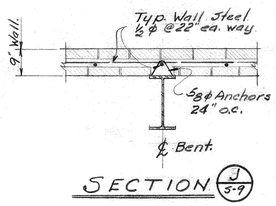


SECTION (F 5-9)

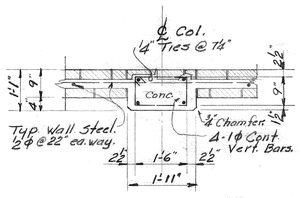


SECTION (G 5-9)

SECTION (H 5-9)

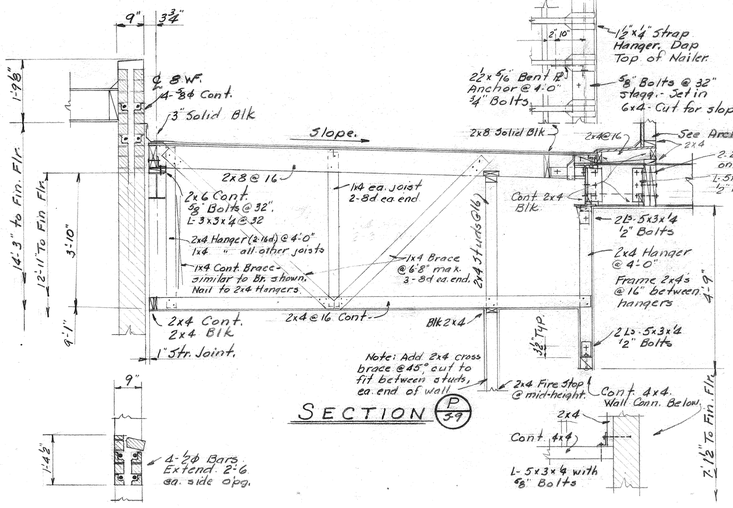


SECTION (J 5-9)



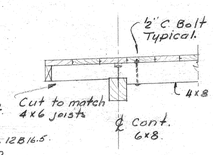
SECTION (K 5-9)
(Typ. End Wall. Column.)

Note: Set Brick before pouring conc. for Col. Cone for Cols to be poured in lifts not exceeding 6'-0"

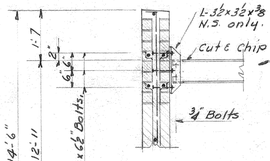


SECTION (P 5-9)

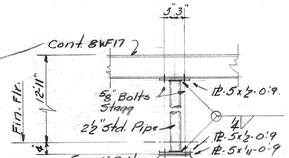
SECTION (V 5-9)



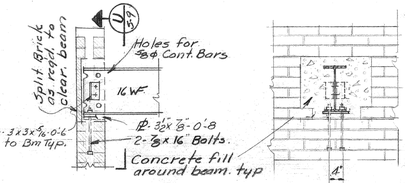
SECTION (Q 5-9)



SECTION (R 5-9)



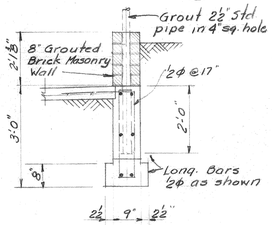
SECTION (S 5-9)



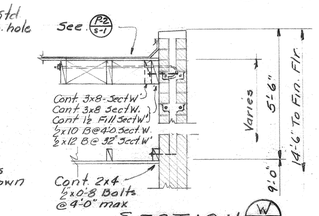
SECTION (T 5-9)

TYP. SECT. (U 5-9)

Note: All beam to masonry wall connections similar to this detail.

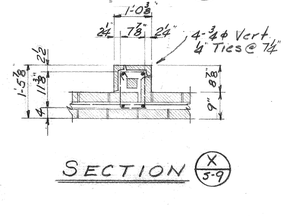


SECTION (V 5-9)



SECTION (W 5-9)

SECTION (W1 5-9) Similar Except As Noted.



SECTION (X 5-9)

NOTES:

See Architectural Drawings for details of copings, jambs, sills, and other architectural features.

Bolts, anchors, and other metal inserts in masonry shall be grouted in place with portland cement mortar.

Steel beams, seating in masonry walls shall be punched to allow for passage of bond beam cont reinforcing. Fill around beam with concrete flush with face of wall

- M-80-15 -

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761 APPROVED 4-14-50
JAMES M. BOLTON PRINCIPAL STRUCTURAL ENGINEER

NEIL RICHARDS & ASSOCIATES
ENGINEERS
LOS ANGELES CALIFORNIA
APP'R Neil Richards CAL. REG. NO. 6150 DATE 1-13-50

UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM
RIVERSIDE — CALIFORNIA

BOLTON CALDWELL MOISE JR. ARCHITECT
3514 9TH STREET RIVERSIDE, CALIFORNIA

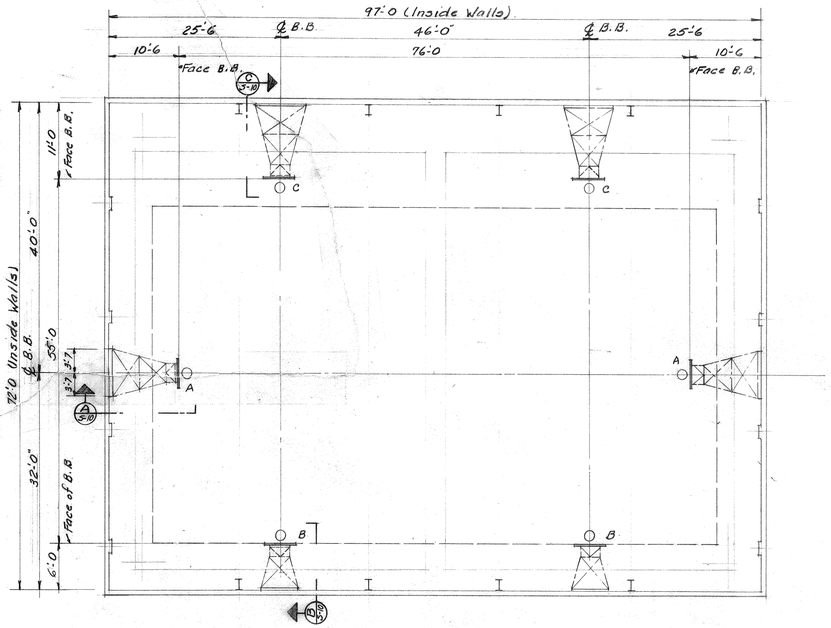
CHECKED DATE

STRUCTURAL DETAILS Nº2

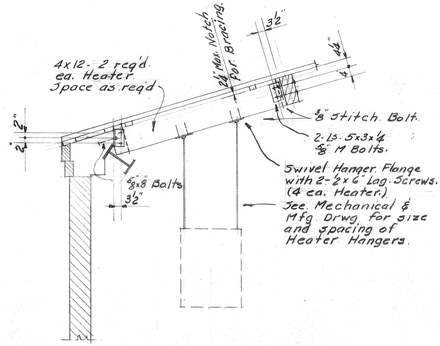
JOB No. 4914

SHEET S-9

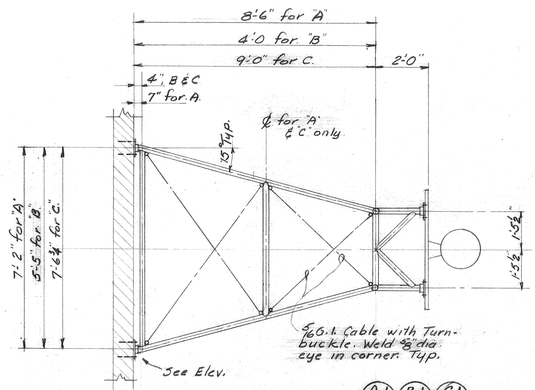
OF SHEETS



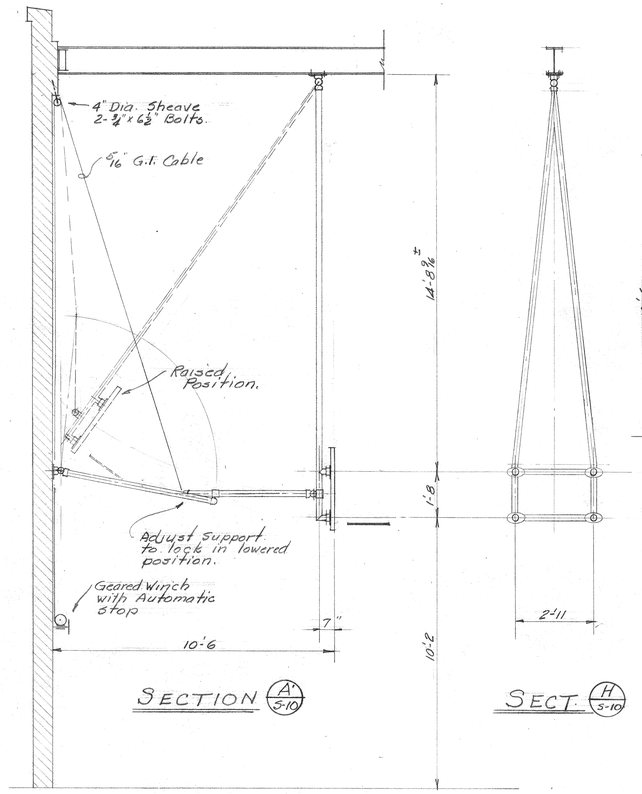
FLOOR PLAN



TYP. UNIT HEATER SUPPORT SECTION G 5-

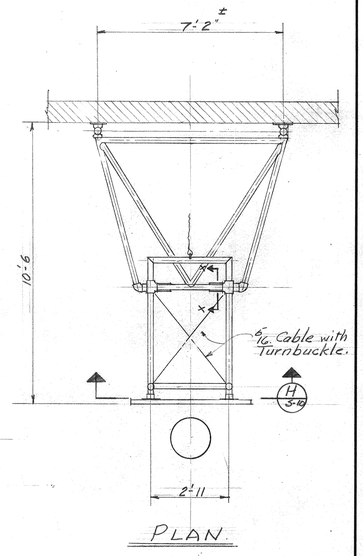


PLAN SECTION A-1 5-10 B-1 5-10 C-1 5-10



SECTION A 5-10

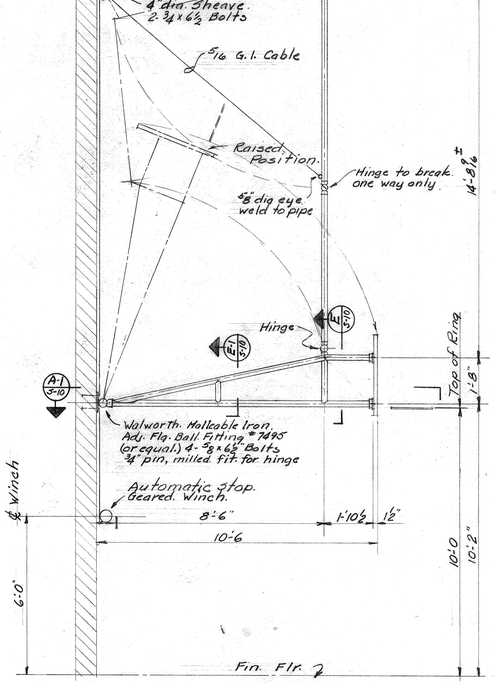
SECT. H 5-10



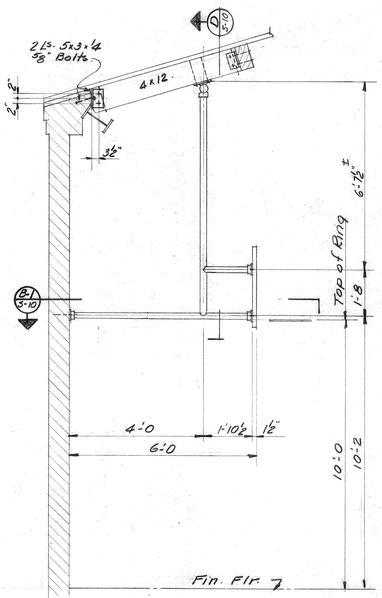
PLAN

SECT. X-X.

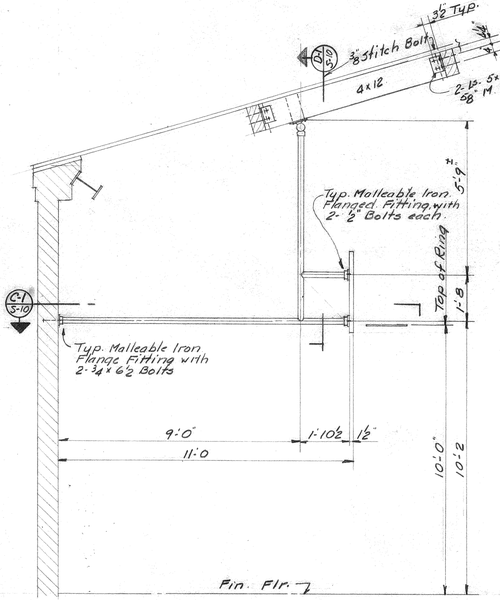
ALTERNATE BASKET SUPPORT 'A'



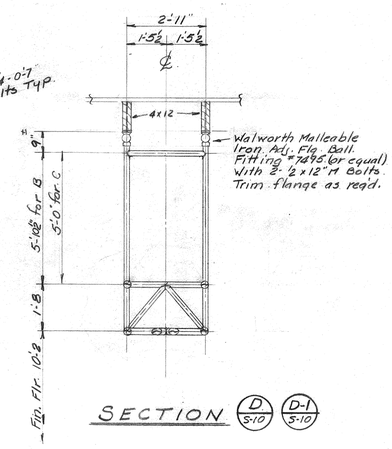
SECTION A 5-10



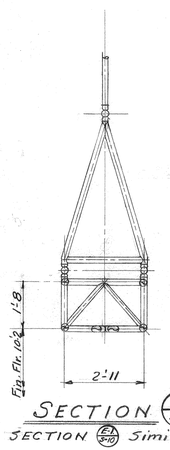
SECTION B 5-10



SECTION C 5-10



SECTION D 5-10 D-1 5-10



SECTION E 5-10

SECTION E 5-10 Similar.

NOTES:

Backboard supports shall be fabricated of 1½ Std. black steel pipe, with all joints welded and ground smooth. Malleable iron fittings shall be threaded to permit of minor adjustment.

Backboards shall be of type and design approved by the Architect, and shall be installed with approved baskets, plumb & true and in accordance with A.N.B.C. Official Regulations, and as indicated.

Winch for raising main back boards shall be geared so as to be self locking, and shall be as approved by the Architect.

Set all flanged fittings on masonry wall in grout.

Bracing required only as shown.

Check all dimensions with manufacturer of equipment.

M-80-16

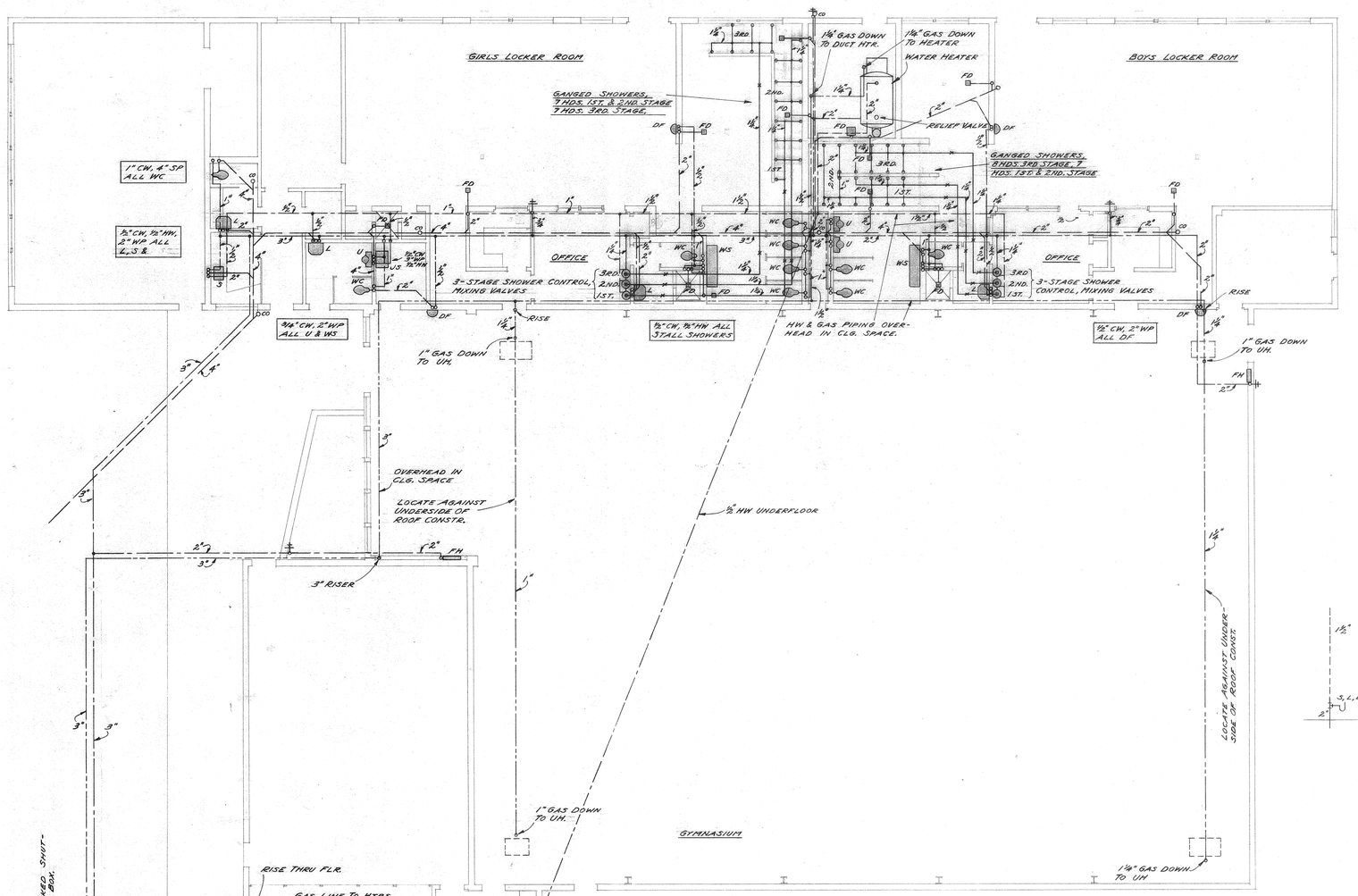
STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761
APPROVED 4-14-50
Harry W. Bolen
PRINCIPAL STRUCTURAL ENGINEER

NEIL RICHARDS & ASSOCIATES
ENGINEERS
LOS ANGELES · CALIFORNIA
APP'R Neil M. Richards CAL. REG. NO. 6180
DATE 1-13-50

UNIVERSITY HEIGHTS
JUNIOR HIGH SCHOOL
GYMNASIUM
RIVERSIDE — CALIFORNIA

MISCELLANEOUS DETAILS
BOLTON CALDWELL MOISE JR.
ARCHITECT
3514 9TH STREET RIVERSIDE, CALIFORNIA
CHECKED DATE

JOB No. 4914
SHEET S-10
OF SHEETS



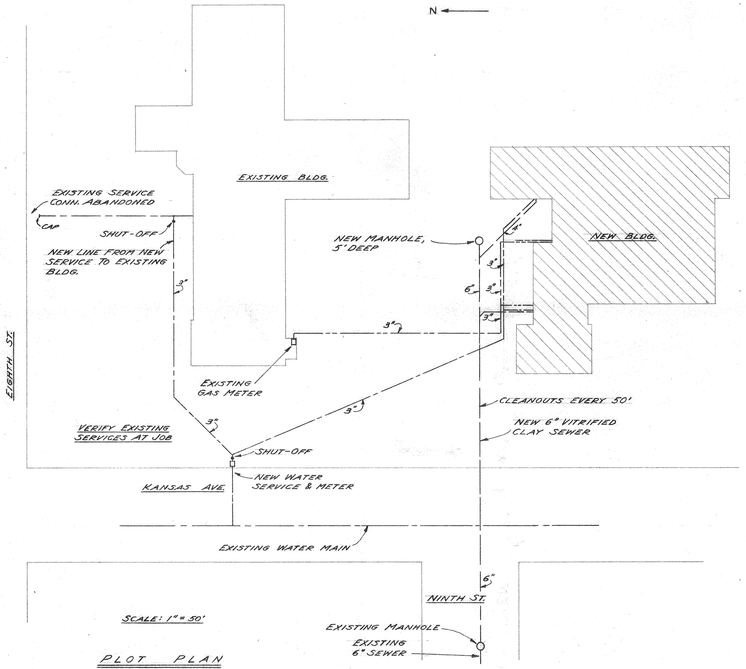
SCALE: 3/16" = 1'

FLOOR PLAN

SHOWER CONTROL PIPING
3-STAGE

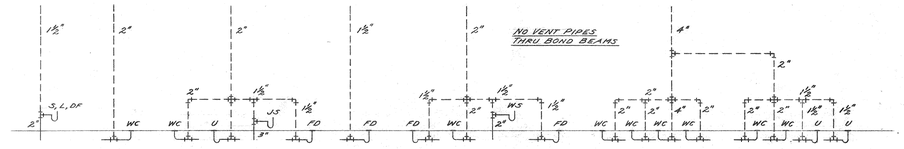
NO SCALE

TYPICAL HD. CONN. - GANGED SHOWERS



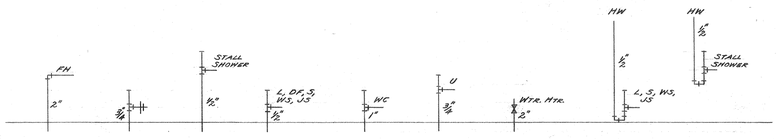
SCALE: 1" = 50'

PLOT PLAN



NO SCALE

TYPICAL SOIL, WASTE & VENT RISERS



NO SCALE

TYPICAL DOMESTIC WATER RISERS

LEGEND

SOIL & WASTE PIPE	SP WP
VENT PIPE	VP
COLD WATER	CW
HOT WATER	HW
TEMPERED WATER	
GAS	
HOSE BIBB	
LAVATORY	L
SINK	S
JANITOR SINK	JS
WASH SINK	WS
WATER CLOSET	WC
URINAL	U
FLOOR DRAIN	FD
FIRE HOSE	FH
DRINKING FOUNTAIN	DF
CLEAN OUT	CO
UNIT HEATER	UH

M-80-17

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION No. 7761
APPROVED 4-14-50
H. M. Bolton
PRINCIPAL STRUCTURAL ENGINEER

DATE	NO.	REVISED (DESTROY ALL PRINTS BEARING EARLIER DATE)	REV. BY	CKD. BY	APP'D BY

ROBERT C. RING
MECHANICAL ENGINEER No. 158
PH. 614 - 596
ONTARIO, CALIFORNIA

UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL GYMNASIUM
RIVERSIDE CALIFORNIA

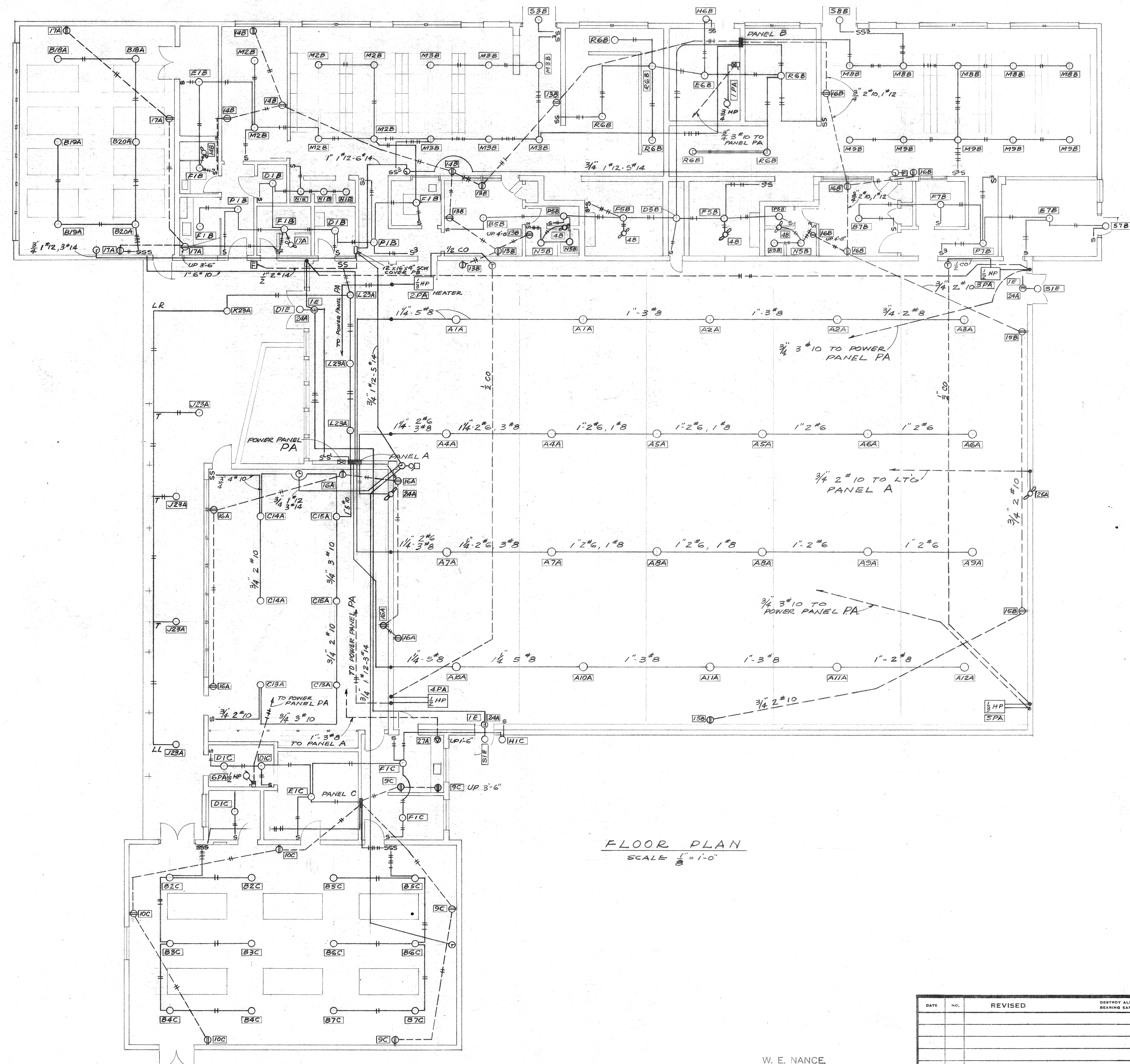
PLUMBING PLAN

BOLTON CALDWELL MOISE JR.
ARCHITECT
3314 9-TH STREET RIVERSIDE, CALIFORNIA

CHECKED [signature] DATE APRIL 12TH 1950

JOB No. 4914

SHEET P-1 OF 1 SHEETS



FLOOR PLAN
SCALE 1/8" = 1'-0"

W. E. NANCE,
ELECTRICAL ENGINEER,
229 MICHIGAN ST., PHONE 6231
REDLANDS, CALIFORNIA

DATE	NO.	REVISED	DESTROY ALL PRINTS BEARING EARLIER DATE	REV. BY	CKD. BY	APP'D BY

M-80-18

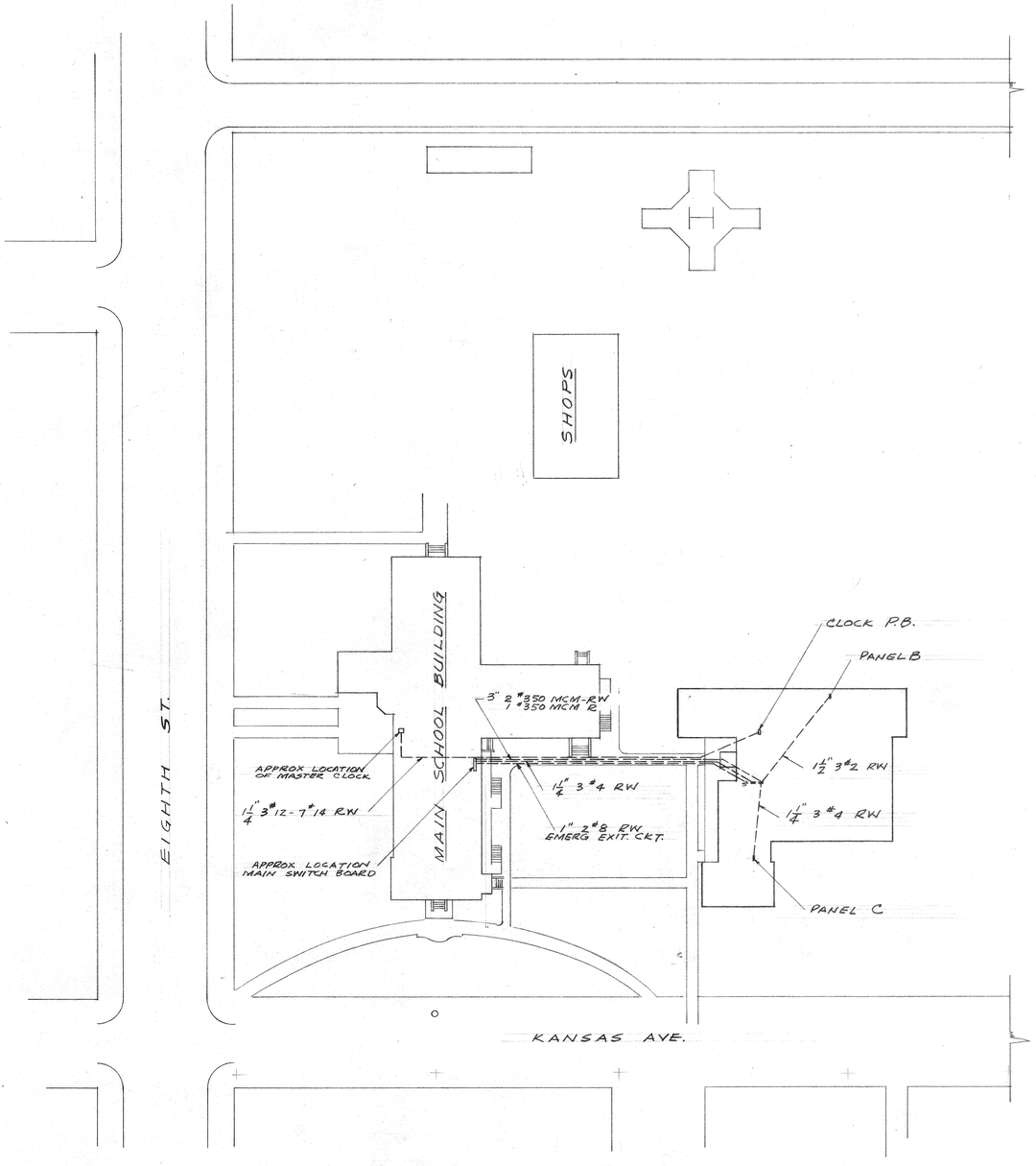
STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761
APPROVED 4-14-50
Harry W. Bolin
PRINCIPAL STRUCTURAL ENGINEER

UNIVERSITY HEIGHTS
JUNIOR HIGH SCHOOL
GYMNASIUM
RIVERSIDE CALIFORNIA

ELECTRICAL LAY-OUT

BOLTON CALDWELL MOISE JR.
ARCHITECT
3514 9-TH STREET RIVERSIDE, CALIFORNIA
CHECKED [signature] DATE APRIL 12TH 1950

JOB No. 4914
SHEET E-1
OF 2 SHEETS



PLOT PLAN
SCALE 1"=50'-0"

PANEL A

CIRCUIT NUMBER	AMP.	POLE	WATTS	WATTS
1	30	1	2000	
2	30	1		2000
3	30	1	1000	
4	30	1		2000
5	30	1	2000	
6	30	1		2000
7	30	1	2000	
8	30	1		2000
9	30	1	2000	
10	30	1		2000
11	30	1	2000	
12	30	1		1000
13	20	1	1500	
14	20	1		1500
15	20	1	1500	
16	20	1		900
17	20	1	900	
18	20	1		1500
19	20	1	1500	
20	20	1		1500
21	20	1	SPARE	
22	20	1		SPARE
23	20	1	1100	
24	20	1	250	
25	20	1		250
26	20	1		
27	35	2	RANGE	
28	50	2	PANEL C	
29	70	2	PANEL B	

PANEL B

CIRCUIT NUMBER	AMP.	POLE	WATTS	WATTS
1	15	1	1000	
2	15	1		1350
3	15	1	1450	
4	15	1		1200
5	15	1	1400	
6	15	1		1150
7	15	1	1000	
8	15	1		1350
9	15	1	1250	
10	15	1		SPARE
11	15	1	SPARE	
12	15	1		SPARE
13	20	1	900	
14	20	1		600
15	20	1	450	
16	20	1		750
17	20	1	SPARE	
18	20	1		SPARE

KEY TO SYMBOLS

MOUNTING HEIGHT	SYMBOL	DESCRIPTION
4'-0"	S	SINGLE POLE SWITCH
4'-0"	S^3	3-WAY SWITCH
4'-0"	S^L	LOCK SWITCH
4'-0"	S^2	DOUBLE POLE SWITCH
	○	LIGHT OUTLET
	Ⓔ	EXIT
12"	⊖	DUPLEX RECEPTACLE
	Q	MOTOR
AS DIRECTED	◷	CLOCK
4'-6"	Ⓣ	THERMOSTAT
	○ PB	PULL BOX
		FAN
		DISCONNECT SWITCH & #1 STARTER
4'-6"	F	BREAK GLASS SENDING STATION (FIRE)
1'-6"	ⓡ	RANGE OUTLET - BRYANT #3846
AS DIRECTED		BELL
	——	CONDUIT OVERHEAD
	- - -	" UNDERFLOOR
	○	" UP
	●	" DO
	CO	" ONLY
	2 / 3	2 MARKS INDICATES 2 #12 WIRES, 3 " " " " ETC
	A/A	INDICATES TYPE A FIXT, CKT #1 & PANEL A
	16/A	" CIRCUIT #16 & PANEL A, ETC
6'-0" TO TOP		LIGHTING PANEL
6'-0" TO TOP		POWER PANEL

MOUNTING HEIGHTS ARE TO CENTER & TYP UNLESS OTHERWISE SHOWN OR NOTED

PANEL C

CIRCUIT NO.	AMP	POLE	WATTS	WATTS
1	15	1	800	
2	15	1		1000
3	15	1	1000	
4	15	1		1000
5	15	1	1000	
6	15	1		1000
7	15	1	1000	
8	15	1		SPARE
9	20	1	600	
10	20	1		450

POWER PANEL PA

CIRCUIT NO.	AMP	POLE	H.P.
1	20	3	3/4
2	15	3	1/3
3	20	3	1/2
4	20	3	1/2
5	15	3	1/3
6	20	3	1/2

W. E. NANCE,
ELECTRICAL ENGINEER,
229 MICHIGAN ST., PHONE 6231
REDLANDS, CALIFORNIA

M-80-19

DATE	NO.	REVISED (DESTROY ALL PRINTS BEARING EARLIER DATE)	REV. BY	CKD. BY	APP'D BY

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 7761
APPROVED 4-19-50
PRINCIPAL STRUCTURAL ENGINEER

UNIVERSITY HEIGHTS
JUNIOR HIGH SCHOOL
GYMNASIUM
RIVERSIDE CALIFORNIA

PLOT PLAN
BOLTON CALDWELL MOISE JR.
ARCHITECT
3514 9TH STREET RIVERSIDE, CALIFORNIA
CHECKED DATE APRIL 12TH 1950

JOB No. 4914
SHEET E-2 OF 2 SHEETS