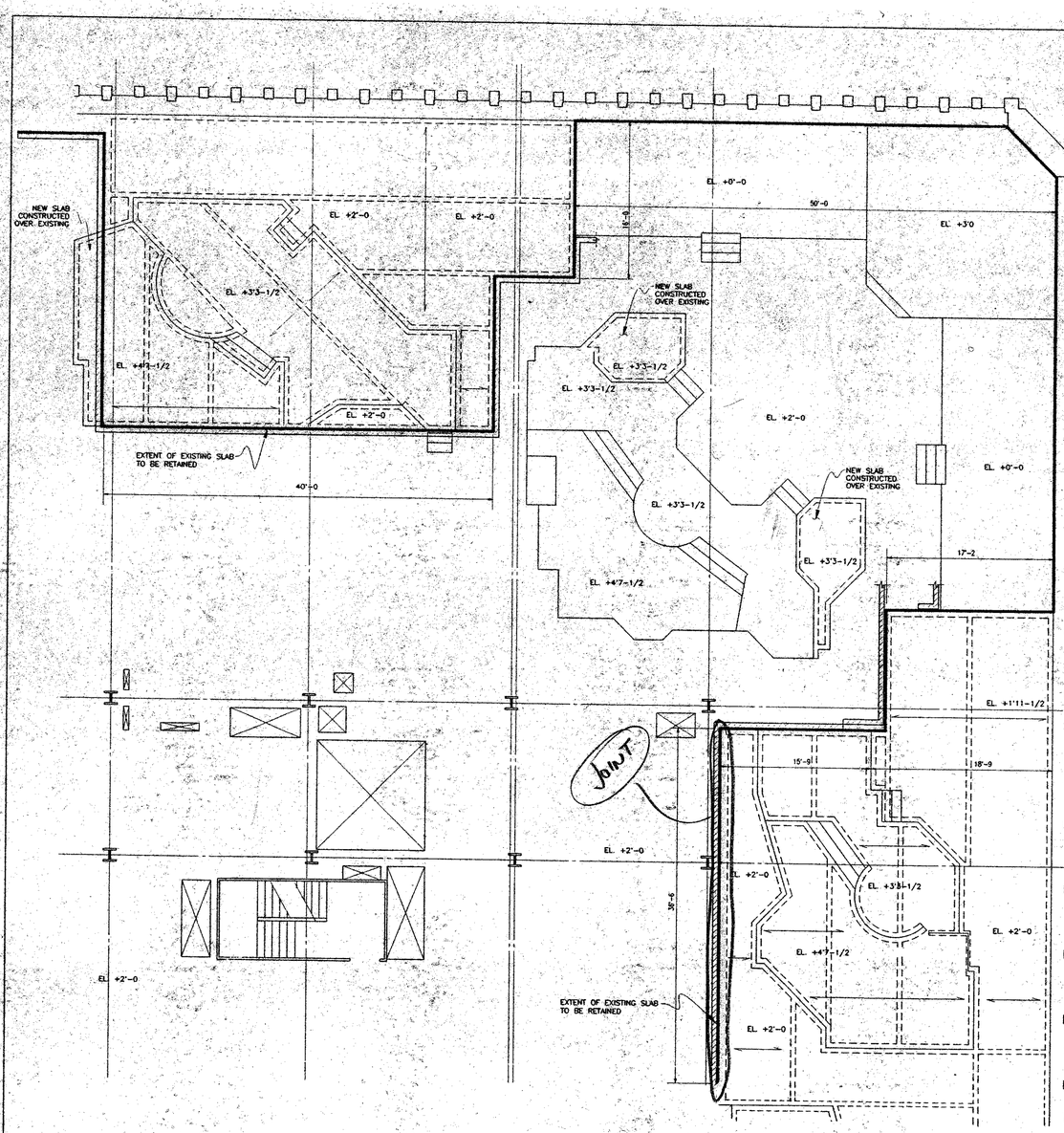



## QUADRANT A - FLOOR PLAN LAYOUT

**STEEL DECK NOTES**

1. STEEL DECK UNITS AND ACCESSORIES SHALL BE FABRICATED FROM STEEL SHEET CONFORMING TO ASTM A446, GRADE C, GALVANIZED TO G-60, WITH A MINIMUM YIELD POINT OF 40 KSI. - DECK SHALL BE 19 GAGE, 1.5" LOK FLOOR BY UNITED STEEL DECK, INC OR EQUIVALENT.
2. PROVIDE COMPOSITE DECK EXCEPT WHERE SPECIFICALLY INDICATED TO THE CONTRARY IN THE CONTRACT DOCUMENTS. DECK UNITS SHALL INCORPORATE DEFORMATIONS SPECIFICALLY DESIGNED TO PRODUCE COMPOSITE ACTION BETWEEN THE METAL DECK AND THE CONCRETE SLAB TO BE PLACED OVER THE DECK.
3. EXCEPT AS OTHERWISE NOTED, EDGE LAPS SHALL BE CONNECTED WITH 3/4" ø FUSION WELDS AT SPACING TO PROVIDE SUFFICIENT DIAPHRAM STRENGTH TO LATERALLY CONTAIN CONCRETE AND TO SUSTAIN LOCAL CONSTRUCTION LOADS WITHOUT DISTORTION OR SEPARATION. MAXIMUM SPACING SHALL BE 1'-0" O.C. THROUGHOUT EXCEPT THAT CANTILEVER SPANS SHALL RECEIVE NOT LESS THAN ONE WELD AT THE DECK END AND NOT LESS THAN ONE WELD 12 INCHES IN FROM THE DECK END. BUTTON PUNCHING AT 1'-0" O.C. THROUGHOUT, EXCEPT AT CANTILEVER ENDS WHERE SPACING SHALL BE 1'-6" O.C., IS AN ACCEPTABLE ALTERNATE TO MINIMUM FUSION WELDING.
4. EXCEPT AS OTHERWISE NOTED, DECK SHALL BE ATTACHED TO STRUCTURAL STEEL BY 3/8"ø FUSION WELDS, AT EACH END, AT END AND INTERIOR SUPPORTS PERPENDICULAR TO THE DECK SPAN AND AT 12" O.C. AT EDGE AND INTERIOR SUPPORTS PARALLEL TO THE DECK SPAN. WELDS MAY BE OMITTED IN RUNS OF MULTI SPAN DECK WHERE CONNECTORS ARE TO BE APPLIED EXCEPT THAT EACH DECK SECTION SHALL HAVE SUFFICIENT WELDS TO ADEQUATELY SECURE THE DECK, TO BRING THE DECK INTO DIRECT CONTACT WITH THE SUPPORTING STEEL, AND TO PROVIDE SUFFICIENT DIAPHRAM STRENGTH TO MAINTAIN ALIGNMENT.
5. PROPOSED OPENINGS THROUGH SLABS/DECK OR DECK WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS SHALL BE DIRECTED THROUGH ARCHITECT TO STRUCTURAL ENGINEER FOR REVIEW.
6. WELDING MATERIALS SHALL CONFORM TO BUILDING CODE AND TO AWS A5.1 OR A5.5 AND SHALL BE E70XX OR E60XX. FOR JOINING STEEL DECK TO STRUCTURAL STEEL AND FOR WELDING STEEL DECK EDGE LAPS: E7018 FOR JOINING STEEL SHAPES AND PLATES.
7. PLACE STEEL DECK UNITS WITH 2 INCH MINIMUM END BEARING AND 1-1/4 INCH MINIMUM SIDE BEARING ON SUPPORTING FRAMEWORK.
8. PROVIDE METAL CLOSURE STRIPS AT ALL OPEN UNCOVERED ENDS AND EDGES OF DECKING AND IN VOIDS BETWEEN DECKING AND OTHER CONSTRUCTION. CLOSURE STRIPS SHALL BE NOT THINNER THAN 20 GAUGE GALVANIZED SHEET STEEL, FORMED INTO POSITION TO PROVIDE A COMPLETE DECKING INSTALLATION. DO NOT OBSTRUCT DECK VALLEYS.
9. AT INTERIOR AND EXTERIOR PERIMETER EDGE CONDITIONS PROVIDE GAUGE THICKNESS SHEET STEEL EDGE ANGELS, EDGE PLATES ANGLES AND/OR ROLLED STEEL ANGLES. PROVIDE GALVANIZED MATERIAL OF NOT THINNER THAN 12 GAUGE, WITH A 4" CONTINUOUS, 1 INCH DEEP HOOK WITH SUBSTANTIAL SHOP FABRICATED AND SHOP ATTACHED STIFFENERS. PRIME AND WELD IN PLACE. EDGE CONDITIONS INSTALLATION SHALL BE TRUE TO LINE AND ELEVATION.
10. THE STEEL DECK INSTALLATION, UPON COMPLETION, SHALL BE NEAT IN APPEARANCE AND SUITABLE TO RECEIVE CONCRETE WITHOUT LEAKAGE BETWEEN SECTIONS OR THROUGH END AND EDGE CLOSURES.
11. ——INDICATES THE DIRECTION OF STRUCTURAL DECK. WHERE NO DIRECTION IS INDICATED SPAN DECK IN THE SHORT DIRECTION.
12. CONTRACTOR TO PROVIDE ADEQUATE FASTENING OF DECK TO SUPPORT WALLS TO PREVENT THE MOVEMENT OF THE DECK DURING CONSTRUCTION.

**GENERAL NOTES**

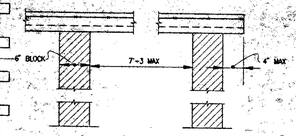
1. DIMENSIONS SHOWN ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN

**GENERAL NOTES**

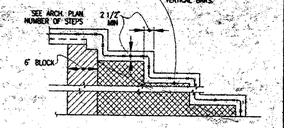
1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE "BUILDING CODE OF THE CITY OF NEW YORK", HEREINAFTER REFERRED TO AS BUILDING CODE, WITH THE SPECIFICATIONS, AND WITH THE REGULATIONS OF ALL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.
2. CONTRACTOR SHALL KEEP AT LEAST ONE FULL COPY OF THE FOLLOWING DOCUMENTS IN THE FIELD OFFICE AT ALL TIMES:
   A. BUILDING CODE.
   B. FIELD REFERENCE MANUAL: SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 301-96 (REVISED 1998), WITH SELECTED ACI AND ASTM REFERENCES, ACI FIELD REFERENCE MANUAL, SP-15(98).
   C. AISC MANUAL OF STEEL CONSTRUCTION - ALLOWABLE STRESS DESIGN, NINTH EDITION.
3. SPECIFICATIONS

**CONCRETE SLAB NOTES**

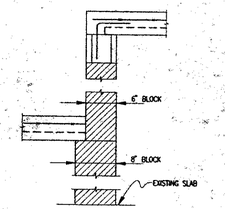
1. SLAB CONSTRUCTION IS 2 1/2" THICK LIGHTWEIGHT CONCRETE ON 1 1/2" METAL DECK UNLESS NOTED OTHERWISE.
2. ELEVATIONS INDICATED ARE FINISHED FLOOR ELEVATIONS UNLESS NOTED OTHERWISE. COORDINATE WITH ARCHITECTURAL DRAWINGS TO DETERMINE TOP OF STRUCTURE.
3. CONCRETE SHALL BE LIGHTWEIGHT (115 PCF) WITH F'C = 3000 PSI.
4. SLABS AND STAIRS SHALL BE REINFORCED WITH ONE LAYER OF 6 x 6 W2 x W2 WELDED WIRE FABRIC 1/8" CLEAR FROM TOP SURFACE UNLESS NOTED OTHERWISE. LAP IN ACCORDANCE WITH 12.8 OF ACI 318.89
5. UNLESS OTHERWISE NOTED EDGES OF PENETRATIONS, UP TO 1'-0 SQUARE, AND RE-ENTRANT CORNERS TO BE REINFORCED WITH 2 #4 BARS 3'-6" PLACED IN CENTER OF SLAB, TYPICAL.
6. FOR LOCATIONS OF ALL EMBEDDED OBJECTS AND PENETRATIONS COORDINATE WITH ARCHITECTURAL AND SERVICES DRAWINGS.
7. ALL BLOCK WALLS SHALL BE CONSTRUCTED OF LIGHTWEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY UNITS AND SHALL BE 8" THICK UNLESS OTHERWISE NOTED. MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI.
8. WHERE PENETRATIONS ARE REQUIRED THROUGH THE BLOCK WALLS, BOTH NEW AND EXISTING, LINTEL SHALL CONFORM TO THAT SHOWN IN DETAIL 7 ON DRAWING S410. UNLESS NOTED OTHERWISE.
9. MORTAR TO CONFORM TO ASTM C270 TYPE M, F'C - 2500 PSI.
10. CONCRETE FOR TOPPING SLABS TO BE LIGHTWEIGHT (115 PCF) WITH F'C = 3000 PSI. REINFORCEMENT TO BE 6 X 6 W2 X W2 WELDED WIRE FABRIC PLACED CENTRAL - 3/4" CLEAR COVER MINIMUM. MAXIMUM THICKNESS 3".



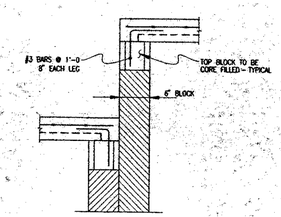

DETAIL 1
TYPICAL DETAIL FOR INTERIOR SUPPORT WALL



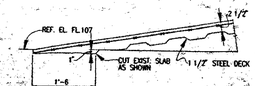

DETAIL 2
TYPICAL STAIR DETAIL
WHERE STAIR HAS 3 RISERS OR LESS DELETE FOAMGLAS AND USE MASS CONCRETE WITH REINFORCEMENT AS DETAILED



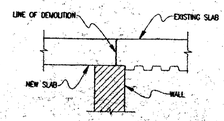

DETAIL 3-OPTION A
TYPICAL DETAIL FOR SLAB SUPPORT AT ELEVATION CHANGES



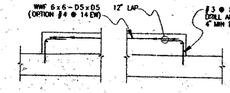

DETAIL 3 OPTION B
TYPICAL DETAIL FOR SLAB SUPPORT AT ELEVATION CHANGES



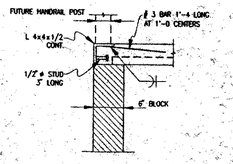

DETAIL 4
TYPICAL CONNECTION DETAIL FOR RAMP INTO EXISTING SLAB




DETAIL 5
TYPICAL SUPPORT DETAIL WHERE EDGE OF EXISTING SLAB SPANNING BETWEEN TWO EXISTING WALLS IS UNSUPPORTED FOLLOWING DEMOLITION. SUPPORT EDGE OF EXISTING SLAB ON NEW WALL




DETAIL 6
1. FOR SIZE AND LOCTION SEE ARCHITECTURAL AND MECHANICAL DRAWINGS
2. ROUGHEN SURFACE OF SLAB CLEAN THOROUGHLY AND APPLY EPOXY BONDING COMPOUND IMMEDIATELY BEFORE EXISTING CURB OR PAD.




DETAIL 7
TYPICAL EDGE DETAIL FOR SLAB WHERE HANDRAILS ARE TO BE LOCATED

**WARNING:** IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A PROFESSIONAL, LICENSED IN THE STATE OF THIS PROJECT, TO ALTER IN ANY WAY THESE DRAWINGS. WHERE ANY ITEM IS ALTERED, THE SUPERVISING PROFESSIONAL SHALL AFFIX TO THE ITEM HIS SEAL AND THE INSCRIPTION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

**FOR CONSTRUCTION**

RECEIVED
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NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

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NEW YORK, NEW YORK 10048

OPERATOR:
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1166 SIXTH AVENUE
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ARCHITECT:
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NEW YORK, NEW YORK 10010

MEP ENGINEER:
ALTIERI SEBOR WIEBER
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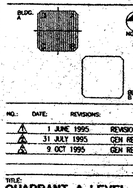
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| NO.: | DATE: | REVISIONS: |
|---|---|---|
| 1 | 1 JUNE 1995 | REVISION |
| 2 | 31 JULY 1995 | GEH REV. |
| 3 | 9 OCT 1995 | GEH REV. |

TITLE:
**QUADRANT A-LEVEL 107 ELEVATED CONCRETE SLAB FRAMING PLAN**

HHPA PROJECT NO.: 5456.01
DRAWING NO.: **S400**
DATE: 24/APR/1995
SCALE:

TAA - 951114.07