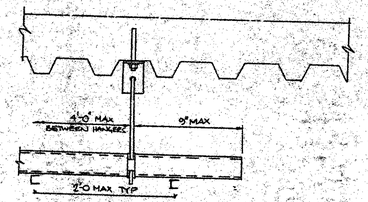
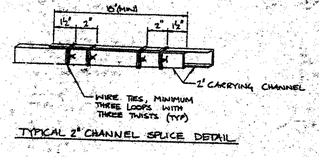


PART ELEVATION

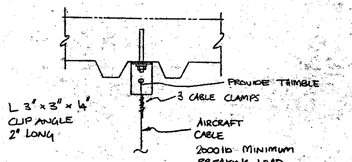
TYPICAL FLOOR BEAM



SUPPORT TYPE 3

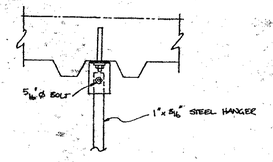


TYPICAL 2" CHANNEL SPLICE DETAIL



FIXTURE SUPPORT

MAXIMUM LOAD PER CABLE IS 450 lb



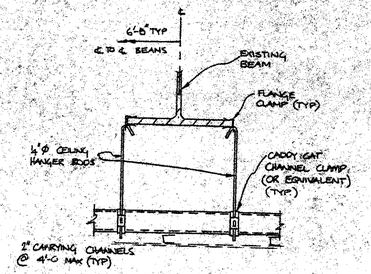
STRAP CONNECTION TO UNDERSIDE OF SLAB

GENERAL NOTES

1. FOR GENERAL NOTES REFER TO DRAWING S400
2. FOR STRUCTURAL STEEL NOTES REFER TO DRAWING S440

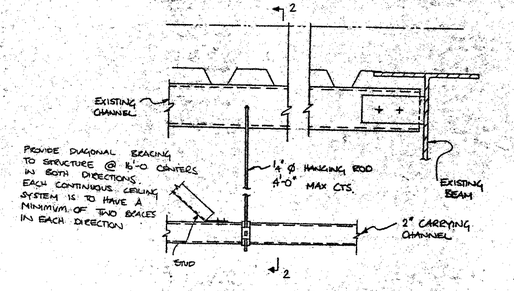
NOTES:

1. MATERIALS
   - CONCRETE ANCHORS – 3/8" ø HILTI SAFETY BOLTS (TYPE KBII OR KBII) WITH A MINIMUM EMBEDMENT OF 1 3/4" OR HILTI MKII OR HILTI ANCHORAL SIZE M8 WITH A MINIMUM EMBEDMENT OF 2 1/2" AND A MINIMUM EFFECTIVE LENGTH OF 3".
   - CLIP ANGLES – HOT ROLLED ASTM A36 STEEL.
   - HANGERS – 1/16" x A36 GALVANIZED STEEL ROD.
   - CARRYING CHANNEL – 2" COLD ROLLED CHANNELS (Fy=33KSI MIN.) MINIMUM WEIGHT 550 LBS / 1,000 L.F.(PAINTED)
   - HANGER TO STRUCTURE CONNECTION –
     A. BOTTOM FLANGE OF BEAM/I ≤ 0.75"
        CADDY HEAVY DUTY FLANGE CLAMPS MANUFACTURED BY ERICO PRODUCTS INC. BOLT #3312-PSN.
     B. THICKNESS OF BOTTOM FLANGE > 0.75" –
        UNIVERSAL C-CLAMP WELDED (MODE THERMIT) 0.69 LBS. EACH AS MANUFACTURED BY GRINNELL CORP. OR APPROVED EQUAL. INSTALL C-CLIP WITH SET SCREW IN TOP POSITION.
   - HANGER TO CARRYING CHANNEL – CADDY 3AN CHANNEL CLAMP, MODEL #CCSL AS MANUFACTURED BY ERICO PRODUCTS INC. BOLT #3312-PSN OR EQUAL.
   - WIRE TIES – 18 GA. STAINLESS STEEL ASS – TYPE 304 OR MONEL METAL.
2. REMOVAL OF FIREPROOFING SHALL BE KEPT TO A MINIMUM AND SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ARCHITECT.
3. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT CATALOG DATA, SAMPLES, LAYOUT DRAWINGS AND DETAILS OF ALL COMPONENTS OF THE CEILING SUPPORT SYSTEM FOR ARCHITECT'S APPROVAL PRIOR TO THE START OF ANY WORK IN THE FIELD.
4. OTHER CEILING COMPONENTS AND DETAILS NOT SHOWN SHALL CONFORM TO THE LATEST NEW YORK CITY BUILDING CODE REQUIREMENTS.
5. THE RAWLEY FASTENING SYSTEM WITH LASO SHANK PIN (DIA: (1 1/4" LONG, POWER LEVEL "M3" FOR INSTALLATION, AND THE LASO CEILING CLIP #851 IS PERMITTED TO SUBSTITUTE THE RAWSON TOP CONNECTION DETAIL SHOWN IN DETAIL 3/S460. ATTACHED INTO 3000 P.S.I. LIGHT WEIGHT CONCRETE SLAB OVER GALVANIZED METAL DECK.
6. CARRYING CHANNELS TO BE BRACED LATERALLY AT 2'-0 MAX CTS. (MIN)

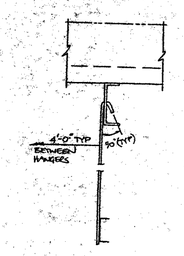


SECTION 1-1

SUPPORT TYPE 1



SUPPORT TYPE 2



SECTION 2-2

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 DESCRIPTION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FOR CONSTRUCTION

RECEIVED
OCT 11 1995
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211 E. 46th ST., N.Y., N.Y.C. 10017

WINDOWS ON THE WORLD
WORLD TRADE CENTER ONE
NEW YORK CITY, NEW YORK
HARDY HOLZMAN PFEIFFER ASSOCIATES

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BLDG. A — NORTH — BLDG. B

NO.:	DATE:	REVISIONS:
1	17 JULY 95	GENERAL REV.
2	28 JULY 95	FIXTURE SUPPORT REVISED
3	30 OCT 95	GEN REV.

TITLE:
CEILING SUPPORT DETAILS

HHPA PROJECT NO. 9406.01
DRAWING NO. **S460**
DATE: 01 MAY 1995
SCALE:

.TAA – 951114:07