

October 09, 2017

## Addendum #1 - Pre-bid Meeting

### ATTHS - Nederland C.O. - Chiller Replacement - Reno Project #170896

The following item(s) shall be included in your proposal:

**NOTE:**

- 1.) The acquisition and payment of individual trade permits (sprinkler, electrical, mechanical, plumbing, structural, etc.) will be the responsibility of the successful trade contractor.
- 2.) The bid date is Thursday, October 19, 2017 at 2 p.m.

This addendum is issued as a part of the Contract Documents issued by Gensler, Dabhi Engineering and WP & Associates dated 07/11/17; and shall be incorporated into your bid:

1. ALL BIDDERS shall note that owner of adjacent building shall be contacted prior to any work commencing near their property.
2. Electrical bidders shall include all exterior control conduit.
3. Electrical bidders shall include placement of Arc Flash labels.
4. Utility bidders shall include roof protection for area designated during the pre-bid meeting.
5. Utility bidders shall provide floor protection from the mechanical room to the double doors in the power room (approximately 70 LF), including sticky mats at each set of doors.
6. Utility bidders shall include replacing hardware on existing pipe support racks with new S.S. hardware.
7. All bidders shall include daily clean-up of own construction trash/debris.
8. Addendum 1 issued by Dabhi dated 10/09/17 and WP & Associates dated 10/09/17.
9. Revised drawings issued by Dabhi dated 10/09/17.

The following documents have been added or revised as part of this Addendum:

01) Drawings	Document Title	Revision #	Revision Date
E1.03	Partial Roof Plan Electrical Renovation Plan	1	10/09/2017
M1.06	Partial Roof Plan Mechanical Renovation Plan	1	10/09/2017

**End of Addendum # 1**

# **DABHI ENGINEERING ASSOCIATES INC.**

19310 Kessington Lane; Houston, Texas 77094  
TEL (281) 492-6885; FAX (281) 492-8626

AT&T–Nederland C.O  
Replacement of Chiller

## **ADDENDUM #1 (10/09/2017)**

Addendum #1 consists of the following comments/revisions to the bid drawings. Addendum #1 in its entirety shall be incorporated into contractors' bids:

1. DWG. MEP1.02:
  - A. General note-2 shall refer to DWG. 1/M1.03.
  - B. General note-3 shall refer to DWG. 1/E1.04
  
2. DWG. M1.01:
  - A. Physical dimensions of Carrier chillers shall be checked by the contractor. Carrier chillers shall be suitable for installation on the specified structural steel frame without modifications, otherwise provide the specified Trane Chillers.
  
  - B. Air Cooled chillers shall fully comply with all requirements of ASHRAE STD. 90.1, 2013.
  
  - C. All condenser and evaporator coil surfaces and associated accessories and devices shall be coated with ADSIL'S MICROGUARD AD35 HVAC/R and fin clear protective treatment shall be applied by Trane factory authorized service technicians. Approve equal coating by Carrier for Carrier Chillers will be acceptable.
  
3. DWG. M1.06:
  - A. Approx 30 ft long existing 1" dia PVC CW line located on the pipe rack on the roof shall be removed and replaced with new 1" Sch. 80 PVC CW line with fitting. New line shall be connected to the existing line at the rain hood, supported from the rack and insulated using 1" thick Aramflex insulation.
  
  - B. See revised DWG. M1.06 for missing notes.
  
4. DWG. E1.01:
  - A. Power draw reading Tables: Words (E) MCC shall be revised to read "SWB-1" and Distribution Panel "HIG" to read "HPB".
  
5. DWG. E1.03:
  - A. See revised DWG. E1.03 for missing notes.
  
  - B. The existing outdoor light fixture installed on Canopy roof shall be removed, cleaned, reinstalled and rewired to new lighting branch circuit. A new similar light fixture shall also be furnished and installed on the canopy roof to shine over new ACH-2. It shall be connected to new lighting branch ckt.

END



W P & Associates Architects Engineers Planners, Inc.  
8979 Interchange Drive | Houston, Texas 77054  
713.667.6400 | 713.667.6191 fax | wpa@flash.net

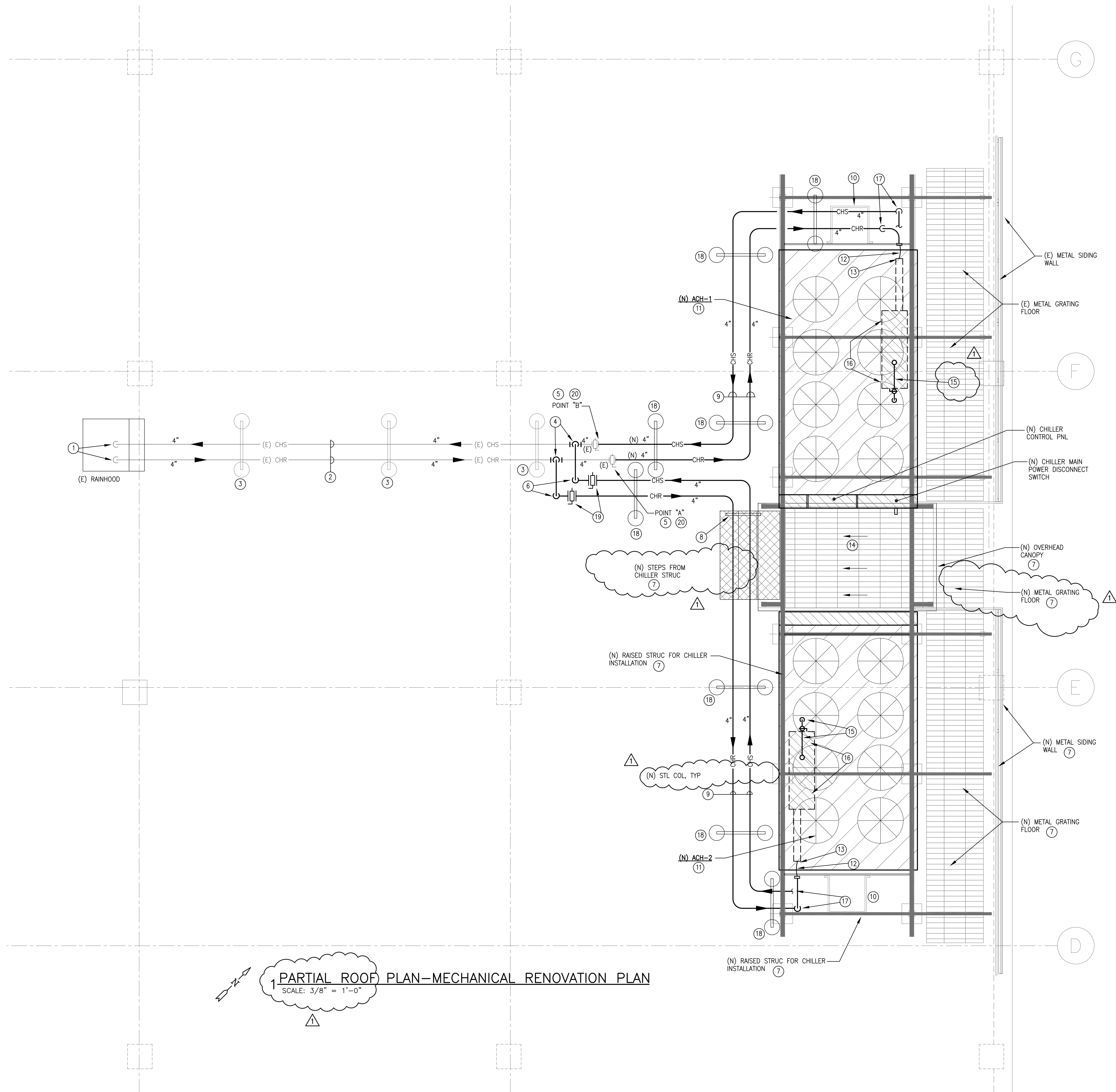
October 9, 2017

**Nederland C. O. Chiller – Addendum #1**

AT&T Project No. T20042

Sheet S1.0

1. Section Cut 10/S1.0 shown on "Platform Framing Plan 5/S1.0" should be 6/S2.0



1 PARTIAL ROOF PLAN—MECHANICAL RENOVATION PLAN  
SCALE: 3/8" = 1'-0"

**PLAN KEYED NOTES FOR (N) CHILLER LAY-OUT DWG. M1.06:**

- 1 (E) CHS, CHR LINES DN THRU ROOF TO 1 ST. FLR MECH RM. FOR CONT REF DWG. M1.05.
- 2 (E), INSULATED, AL JACKETED, ABOVE ROOF INSTALLED CHS, CHR LINES SHALL REMAIN.
- 3 (E) TYPICAL PIPE SUPPORT SHALL REMAIN EXCEPT ALL STL HARDWARE SHALL BE REMOVED AND REPLACED WITH (N) 316 S.S BOLTS, NUTS, AND HARDWARE.
- 4 (N) LINES SHALL BE CONNECTED TO (E) LINES AT TOP OF (E) LINES BY A METHOD OF HOT TAPPING.
- 5 (N) LINE SHALL BE CONNECTED TO (E) LINE AT THIS POINT USING (N) 150 CLASS, RAISED FACE, ANSI FLANGE WITH RUBBER GASKET.
- 6 LOWER (N) PIPE ELEV TO HAVE TOP OF (N) INSULATED LINES NO HIGHER THAN 23" ABOVE FINISHED ROOF.
- 7 REF STRUC DWG.
- 8 (N) LINES SHALL BE SUPPORTED FROM STL BEAM USING S.S HARDWARE.
- 9 TOP OF INSULATED LINES SHALL BE MAINTAINED AT 23" ABOVE FINISHED ROOF LEVEL TO AVOID CONFLICTS WITH (E) AND (N) STRUC BEAMS.
- 10 HOT DIPPED GALV STL LADDER, REF STRUC DWGS FOR DETAILS, EXACT LOCATION SHALL BE FIELD VERIFIED BEFORE INSTALLATION.
- 11 REF TO DWG. M1.04 FOR PIPING SCHEMATIC.
- 12 INSTALL 12" LONG S.S BRAIDED FLEX CONNECTOR IN CHS AND CHR LINES AT CHILLER, INSULATE FLEX CONNECTOR.
- 13 MAKE CONNECTION TO CHILLER COOLER USING A GROOVED COUPLING OR A FLANGE CONNECTION AS REQUIRED BY CHILLER MFR'S RECOMMENDATION.
- 14 ROOF OF CHILLER CANOPY SHALL SLOPE IN THIS DIRECTION, REF TO STRUC DWG.
- 15 COOLER BLOW DOWN, INSTALL SCH 40 GALV STEEL PIPE FITTINGS, VALVE, INSULATE BLOW DOWN LINE AND VALVE.
- 16 ALL COLD SURFACES OF ENTIRE CHILLER, INCLUDING OIL LINES, WHICH ARE NOT FACTORY INSULATED SHALL BE CLEANED AND INSULATED WITH (N) 3" THICK CLOSED CELL FOAMED PLASTIC (ARMAFLEX) SHEETS. ALL INSULATION SURFACES SHALL BE COATED WITH 2 COATS OF FOSTER 40-20 WATER VAPOR BARRIER.
- 17 INSULATED LINES DN FROM CHILLER CONNECTIONS TO FIELD ESTABLISHED ELEV ABOVE FIN ROOF.
- 18 TYP NEW PIPE SUPPORT, REF DWG M1.02 FOR DETAIL.
- 19 (N) B.F VALVE IN (N) SECTION OF HORIZONTAL LINE, TO SERVE (N) ACH-2, SHALL BE TEMPORARILY CLOSED UNTIL (N) ACH-2 IS PLACED IN NORMAL WORKING CONDITIONS.
- 20 THIS VALVE SHALL BE TEMPORARILY CLOSED FOR REMOVAL AND REPLACEMENT OF (E) ACH-1 WITH (N) ACH-1. IT SHALL ONLY BE CLOSED AFTER (N) ACH-2, ASSOC CHP-2, AND "BAS" ARE PLACED IN NORMAL WORKING CONDITIONS.

**GENERAL NOTES:**

1. PIPE LOCATIONS AND ELEV'S OF (E) AND (N) LINES SHOWN IN THIS DWG ARE APPROX. REQUIRED MODIFICATIONS SHALL BE MADE IN FIELD TO AVOID CONFLICTS, AT NO EXTRA COST.
2. ALL PIPING, VALVES, CHILLERS, CHILLER CANOPY, PIPE SUPPORTS ETC. SHOWN IN THIS DWG ARE NEW UNLESS NOTED OTHERWISE.
3. (E) POTABLE CW LINE, LOCATED ON PIPE RACK, SHALL REMAIN. NON INSULATED SECTIONS OF LINES SHALL BE INSULATED WITH 1" THICK CLOSED CELL FOAM (ARMAFLEX TYPE) INSULATION. ENTIRE EXPOSED LINE ON ROOF SHALL BE JACKETED WITH ALUMINUM JACKET.
4. (E) HB SHALL BE REMOVED AND REPLACED WITH (N) HB-1. IT SHALL BE NON-FREEZING, BACKFLOW PREVENTOR TYPE, WOODFORD MODEL 26. CENTER LINE HOSE BIBB SHALL BE 30" ABOVE FIN GRADE OR PAVING AS APPLICABLE.

**Project Manager**  
**Gensler**  
711 Louisiana, Suite 300  
Houston TX 77002  
Telephone 713.844.0000  
Facsimile 713.844.0001

**Structural Engineer**  
**WP & ASSOCIATES**  
TEXAS ENGINEERING FIRM NO. F-7006  
8979 Interchange Drive  
Houston, TX 77054  
713-667-6400

**MEP Engineer**  
**DABHI ENGINEERING ASSOC INC.**  
19310 KESSINGTON LANE HOUSTON, TEXAS 77094  
REGISTRATION NO. F-3576  
281.492.6885 FAX: 281.492.8626  
CONTACT: MADARSINH DABHI

CONSULTANT STAMP

M. C. Dabhi  
10/9/17

REVISIONS / AUTHORIZATIONS			
NO.	REVISIONS / AUTHORIZATIONS	DATE	BY
	ISSUED FOR PRICING AND CONSTRUCTION	7/11/16	M.D
Δ	ISSUED FOR CLARIFICATIONS	10/9/17	M.D

**PROPRIETARY AT&T INFORMATION**  
NOT FOR GENERAL USE OR DISCLOSURE OUTSIDE OF AT&T  
THIS INFORMATION MAY ONLY BE USED BY AUTHORIZED  
PERSONNEL OF THE LOCAL GOVERNMENT AGENCY IN CONNECTION  
WITH APPLICATION FOR PERMITS AND AUTHORIZATIONS FOR  
BUILDINGS, CONSTRUCTION, AND/OR ZONING CHANGES.

DRAWINGS PREPARED FOR  
**at&t** CORPORATE REAL ESTATE

PROJECT TITLE: CHILLER REPLACEMENT

844 NEDERLAND AVE.  
NEDERLAND, 77627  
TX US

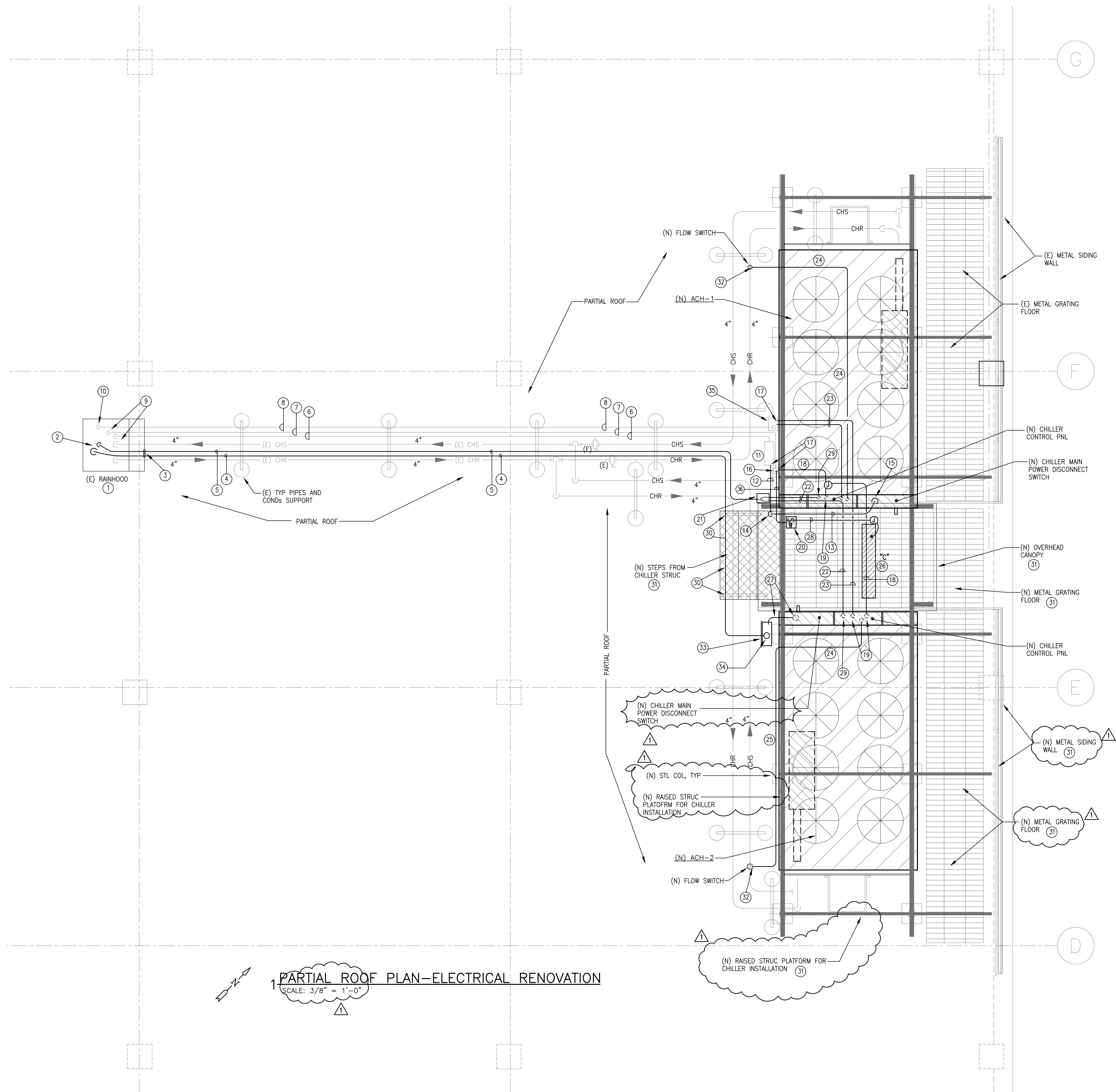
\* WZ7155

SHEET TITLE: PARTIAL ROOF PLAN  
MECHANICAL RENOVATION PLAN

AT&T PROJECT NUMBER T20042	DATE: 7/11/2016	SCALE: NOTED
DRAWN BY: S.D	CHECKED BY: M.D	
AT&T AUTHORIZATION:	SHEET: -	OF: - SHEETS
PARISA MAZRIITIAN	AT&T DRAWING NO:	M1.06

22.4308.000 at&t NEDERLAND CENTRAL OFFICE-CHILLER REPLACEMENT-2016





1 PARTIAL ROOF PLAN-ELECTRICAL RENOVATION  
SCALE: 3/8" = 1'-0"

**PLAN KEYED NOTES FOR (N) CHILLER LAY-OUT DWG E1.03:**

- 1 TEMPORARILY REMOVE THE TOP CASING OF THE HOOD FOR INSTALLATION OF (N) CONDS WITH SPECIFIED WIRES.
- 2 CORE DRILL REQUIRED SIZE OPENING THRU ROOF. INSTALL 3" AND 2" RGS COND SLEEVES IN ROOF OPENING AND INSTALL (N) SPECIFIED WIRES AND CABLES THRU ROOF INTO (E) PB UNDER ROOF DECK IN MECH RM. FOR CONT REF DWG. E1.02.
- 3 CUT REQUIRED SIZE OPENING IN SIDE OF RAIN HOOD WALL AND CONN (N) COND TO RAIN HOOD WITH RAIN-TIGHT FITTINGS.
- 4 (N) 2-1/2" RGS COND WITH 3, #250 kcmil PH AND 1, #4 GND WIRES. SECURE COND TO (E) PIPE SUPPORT COL WITH S.S HARDWARE.
- 5 1 1/2" RGS COND WITH (4), (N), CAT 6 CABLES TO SERVE (N) CHILLERS.
- 6 (E) 3" COND WITH (3), #350 kcmil PH AND (1), GND WIRES SHALL REMAIN.
- 7 (E), 1" COND WITH (2) BRANCH CKT (120 VOLT, 1 PH) WIRES SHALL REMAIN.
- 8 (E) 1" COND WITH (N) BAS CABLES BY BAS CONTRACTOR.
- 9 (E) COND WITH WIRES THRU ROOF SHALL REMAIN.
- 10 (E) COND WITH (N) BAS CABLES DN THRU ROOF TO DDC CONTROLLER IN 1ST FLR MECH RM.
- 11 (E) PB WITH FEEDER WIRES SHALL REMAIN. (N) WIRES SHALL BE SPLICED TO (E) INSIDE PB.
- 12 (N) 2 1/2" COND WITH (3), #250 kcmil PH AND (1), #4 GND WIRES.
- 13 INSTALL (N) COND WITH CONDUCTORS UNDER CANOPY STRUC.
- 14 COND WITH WIRES DN ON CANOPY COL TO (E) PB.
- 15 2 1/2" COND WITH WIRES DN TO TOP OF CHILLER DISCONNECT SWITCH. MAKE FINAL CONN TO SERVICE SIDE OF DISCONNECT SWITCH.
- 16 (E) PB WITH (2) BRANCH CKT WIRES SHALL REMAIN.
- 17 CONNECT (N) CONDS TO PB.
- 18 3/4" COND WITH 3, #12 (PH, NEUT, GND) WIRES, TO BE INSTALLED UNDER CHILLER PLATFORM, TO CONTROL SECTION OF CHILLER. CONN BRANCH CKT WIRING TO EVAPORATOR HEATER.
- 19 COND WITH CABLES SHALL TERMINATE INSIDE CONTROL SECTION.
- 20 (N) SPRING WOUND AUTOMATIC TIME SWITCH AND 20 AMP, 125 VOLT, GFCI RECP IN WEATHER-PROOF ENCLOSURE. TIME SWITCH SHALL CONTROL (N) CANOPY LIGHT. TOP OF SWITCH 48" ABOVE CHILLER PLATFORM. LIGHT SWITCH AND RECP SHALL BE INSTALLED ON CANOPY COL.
- 21 6"x6"x6" NEMA-3R, GALV STL PB WITH GASKETED, FRONT FACING REMOVABLE COVER. EXACT LOCATION AND ELEV SHALL BE FIELD DETERMINED.
- 22 1" COND WITH 2, CAT. 6 CABLES, COND SHALL BE INSTALLED UNDER CHILLER PLATFORM STRUC.
- 23 3/4" COND WITH "BAS" CABLES. COND SHALL BE INSTALLED UNDER CHILLER PLATFORM STRUC. "BAS" CABLES SHALL BE FURNISHED AND INSTALLED BY "BAS" CONTRACTOR.
- 24 1/2" COND WITH CONTROL CABLES BETN FLOW SWITCH AND CHILLER CONTROL SECTION. COND SHALL BE INSTALLED UNDER AND SUPPORTED FROM CHILLER PLATFORM STRUC USING S.S HARDWARE.
- 25 1/2" COND WITH CONTROL CABLES BETN FLOW SWITCH AND CHILLER CONTROL SECTION. COND SHALL BE SUPPORTED FROM CHILLER FRAME USING S.S CLAMPS AND REQUIRED HARDWARE, TYP.
- 26 (N) LIGHT FIX SHALL BE INSTALLED UNDER CANOPY ROOF WITH S.S HARDWARE.
- 27 2-1/2" RGS CONDS WITH SPECIFIED WIRES UP TO CHILLER POWER SECTION, MAKE FINAL CONN OF CONDUCTORS TO LINE SIDE OF CHILLER DISCONNECT SWITCH. SUPPORT COND FROM CHILLER PLATFORM STRUC.
- 28 1/2" COND WITH (3), #12 (PH, NEUT, GND) WIRES. INSTALL COND UNDER CANOPY STRUC.
- 29 1" COND WITH 2, CAT. 6 CABLES UP TO CONTROL SECTION OF CHILLER, TERMINATE COND INSIDE CONTROL SECTION. 2, 10 FT LONG, CAT. 6 CABLES SHALL BE ROLLED UP AND TERMINATED INSIDE CONTROL SECTION FOR FUTURE CONNECTION.
- 30 INSTALL COND UNDER PLATFORM STEPS AND SUPPORT IT FROM STRUC.
- 31 REF STRUC DWG FOR DETAILS.
- 32 MAKE CONN TO FLOW SWITCH WITH LIQUID-TIGHT COND.
- 33 18"x18"x6" DEEP, NEMA-3R PULL BOX WITH REMOVABLE GASKETED FRONT COVER, PB SHALL BE SECURED TO PLATFORM STRUC WITH S.S HARDWARE.
- 34 CONN COND TO BOTTOM OF PB.
- 35 (E) PB WITH (N) DATA CABLES.
- 36 3/4" COND WITH (2) BRANCH CKT WIRES.

**GENERAL NOTES:**

1. EXACT LOCATIONS AND ELEV% OF ALL CONDS INSTALLED UNDER CHILLER PLATFORM STRUC AND CANOPY SHALL BE FIELD DETERMINED, AND COORDINATED WITH (E) AND (N) CHILLED WATER PIPING AND STRUC MEMBERS TO AVOID CONFLICTS BEFORE INSTALLATIONS. CONDS SHALL BE SUPPORTED FROM PLATFORM CANOPY STRUC USING S.S UNISTRUT MEMBERS.
2. INSTALL NEMA-3R COND BODIES, AT NO ADDITIONAL COST, WHERE REQUIRED FOR PROTECTION OF CONDUCTORS, CABLES, AND EASE OF PULLING CONDUCTORS AND CABLES.
3. LOCATIONS AND ELEV% OF (E) AND (N) ALL PULL BOXES SHALL BE FIELD DETERMINED BY CONTRACTORS TO AVOID CONFLICTS AND REDUCE NUMBER OF FITTINGS BEFORE INSTALLATIONS.
4. FINAL CONN OF ALL CONDS TO (N) CHILLERS SHALL BE MADE USING LIQUID-TIGHT CONDS WITH CONDUCTORS AND CABLES.
5. ALL CONDS INSTALLED UNDER CANOPY SHALL BE SUPPORTED FROM CANOPY STRUC USING S.S UNISTRUT AND OTHER REQUIRED S.S HARDWARE.
6. ALL (N) ROOF SLEEVE OPENINGS SHALL BE SEALED OFF WATER-TIGHT AFTER INSTALLATIONS OF (N) CABLES ARE COMPLETED. SEALANT SHALL BE UL LISTED, AT&T APPROVED "HILTI".
7. ALL CONDS AND PBs SPECIFIED IN THIS DWG ARE NEW UNLESS NOTED OTHERWISE.
8. FURNISH AND INSTALL HOT DIPPED GALV ANGLE BRACKETS ON (E) PIPE SUPPORT COLS TO SUPPORT (N) CONDS.
9. ALL (N) CONDS SHALL BE CONNECTED TO (E) AND (N) PBs USING WATER-TIGHT FITTINGS.
10. NON-REQUIRED OPENINGS IN (E) PBs SHALL BE SEALED OFF WATER-TIGHT USING S.S PLATES AND "HILTI" SEALANT.
11. FINAL CONNS OF ALL AC WIRES AND CONTROL CABLES SHALL BE MADE AS PER CHILLER MFR'S INSTRUCTIONS.

Project Manager

**Gensler**

711 Louisiana, Suite 300  
Houston TX 77002  
Telephone 713.844.0000  
Facsimile 713.844.0001

Structural Engineer

WP & ASSOCIATES

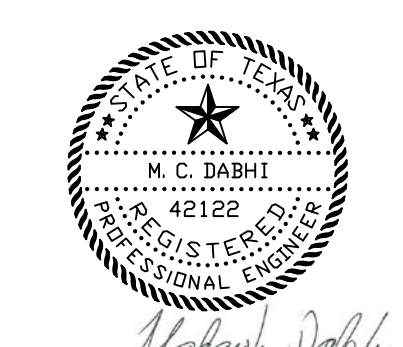
TEXAS ENGINEERING FIRM NO. F-7006  
8979 Interchange Drive  
Houston, TX 77054  
713-667-6400

MEP Engineer

**DABHI ENGINEERING ASSOC INC.**

19310 KESSINGTON LANE REGISTRATION NO. F-3576  
HOUSTON, TEXAS 77094  
281.492.6885 FAX: 281.492.8626  
CONTACT: MADARSINH DABHI

CONSULTANT STAMP



REVISIONS / AUTHORIZATIONS

NO.	REVISIONS / AUTHORIZATIONS	DATE	BY
	ISSUED FOR PRICING AND CONSTRUCTION	7/11/16	M.D
Δ	ISSUED FOR CLARIFICATIONS	10/9/17	M.D

PROPRIETARY AT&T INFORMATION  
NOT FOR GENERAL USE OR DISCLOSURE OUTSIDE OF AT&T  
THIS INFORMATION MAY ONLY BE USED BY AUTHORIZED  
PERSONNEL OF THE LOCAL GOVERNMENT AGENCY IN CONNECTION  
WITH APPLICATION FOR PERMITS AND AUTHORIZATIONS FOR  
BUILDINGS, CONSTRUCTION, AND/OR ZONING CHANGES.

DRAWINGS PREPARED FOR  
**at&t** CORPORATE REAL ESTATE  
PROJECT TITLE: CHILLER REPLACEMENT

844 NEDERLAND AVE.  
NEDERLAND, 77627  
TX US  
\* WZ7155

SHEET TITLE  
PARTIAL ROOF PLAN  
ELECTRICAL RENOVATION PLAN

AT&T PROJECT NUMBER T20042	DATE: 7/11/2016	SCALE: NOTED
DRAWN BY: S.D	CHECKED BY: M.D	
SHEET: -	OF: -	SHEETS
PARISA MAZRIITIAN	AT&T DRAWING NO:	E1.03

22.4308.000 at&t NEDERLAND AND CENTRAL OFFICE-CHILLER REPLACEMENT-2016