

① EXISTING ROOF DECK 1 1/2" TYPE B

1. CONTRACTOR TO SITE VERIFY LOCATION OF EXISTING STRUCTURAL STEEL PRIOR TO INSTALLATION OF UNISTRUT HEADERS AND STEEL CHANNELS FOR KITCHEN HOOD AND ROOF TOP EQUIPMENT. COORDINATE W/ ROOFER AND MECHANICAL CONTRACTORS

2. REFER TO NOTE 3G UNDER GENERAL REQUIREMENTS ON FORM FOR VERIFICATION OF EXISTING ROOF FRAMING TO SUPPORT NEW ROOF MOUNTED EQUIPMENT

- A. BUILDING CODE:
 - 1. VIRGINIA CONSTRUCTION CODE 2015
 - 2. VIRGINIA EXISTING BUILDING CODE 2015
- B. SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS AND MUST BE USED IN CONJUNCTION WITH THE DRAWINGS.
- C. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY A/E OF DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.
- D. VERIFY THE LOCATION OF OPENINGS AND FINISHES
- E. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.
- F. DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILLED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY ENGINEER OF CONFLICTS REGARDING APPLICABILITY OF "TYPICAL DETAILS".
- G. NORR CONTRACT DRAWINGS ARE NOT FOR THE ENTIRE BUILDING, THE DOCUMENTS ARE FOR TENANT MODIFICATION IN ONE PORTION OF BUILDING.
- H. CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THAT THE ROOF EQUIPMENT SHOWN HEREIN (CONSISTING OF RTU-1 TO RTU-2, MA-1, EF-1 TO EF-4, HOOD #1 TO HOOD #2 AND CONDENSER RACK) WILL BE ADEQUATELY SUPPORTED BY THE ORIGINAL STRUCTURAL FRAMING WHILE SIMULTANEOUSLY SUPPORTING BOTH PUBLISHED AND CALCULATED SNOW DRIFT LOADS IS AS REQUIRED BY THE VIRGINIA CONSTRUCTION CODE 2015. CALCULATIONS PERFORMED BY GARY MAEDA P.E. NORR, 150 WEST JEFFERSON AVE SUITE 400 DETROIT, MI 48226 ADDITIONAL SECONDARY FRAMING IS SHOWN IN THE PLAN
- J. PROVIDE STEEL OF THE FOLLOWING ASTM DESIGNATIONS UNLESS OTHERWISE NOTED:
 - 1. STRUCTURAL STEEL WIDE FLANGE SHAPES, ASTM 992
 - 2. ALL OTHER STEEL, ASTM 36

1. LIVE LOADS:	UNIFORM
ROOF	20 PSF
SLAB ON GRADE	100 PSF
LIVE LOAD REDUCTION ON SUPPORTING ELEMENTS IN ACCORDANCE WITH, BUILDING CODE	

2. DEAD LOADS:
ROOF DEAD LOAD 20 PSF

3. WIND LOADS:
3 SECOND GUST WIND SPEED: $V = 115$

EXPOSURE:	C
RISK CATEGORY:	II
ENCLOSURE CLASSIFICATION	ENCLOSED BUILDING
INTERNATIONAL PRESSURE COEFFICIENT	± 0.18
FOR COMPONENTS AND CLADDING WIND PRESSURE RE: 3/S-101	

4. SNOW LOADS
 I: IMPORTANCE FACTOR = 1.0
 Ce: EXPOSURE FACTOR = 1.0
 Cr: THERMAL FACTOR = 1.0
 Pg = GROUND SNOW LOAD = 25 PSF
 $P_f = 0.7 \text{ Ce Ct I Pg} = 17.5 \text{ PSF}$
 $P_f = 20.0 \text{ PSF (MIN)}$



5

SCALE: 1"=1'-0"



4

SCALE: 1"=1'-0"



3

SCALE: 1"=1'-0"



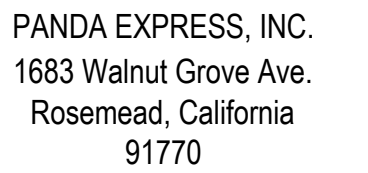
2

SCALE: 1"=1'-0"



1

Scale: 1/4"=1'-0"



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PR RESPONSE 2	03-05-2020
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PEER REVIEW	01-27-2020
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PR RESPONSE 1	02-21-2020
PR RESPONSE 2	02-21-2020

BUILDING PERMIT	03-11-2020
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DRAWN BY: D. GRIFFIN

PANDA PROJECT #: D7446

ARCH PROJECT #: JCDT19-0314



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ROOF FRAMING PLAN