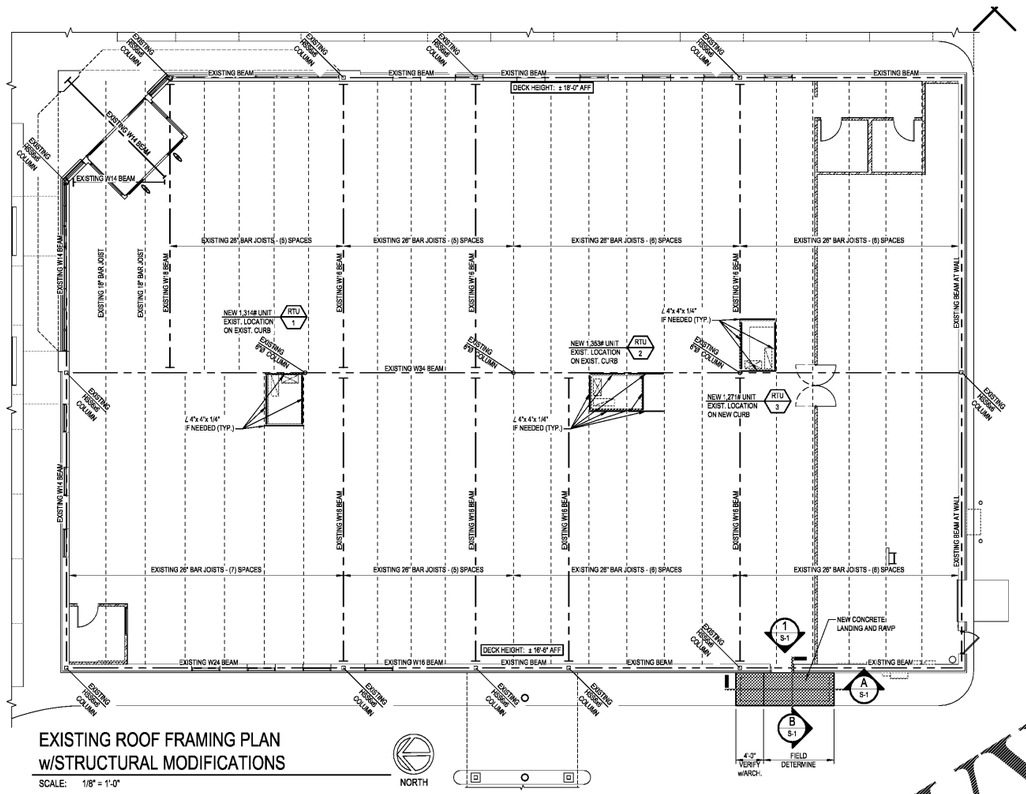


EXISTING ROOF FRAMING PLAN w/STRUCTURAL MODIFICATIONS

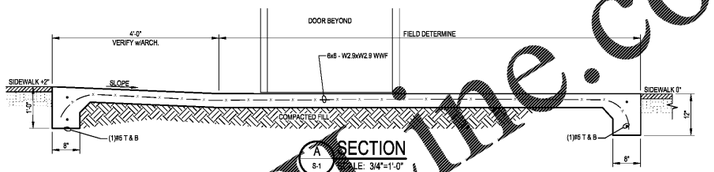
SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

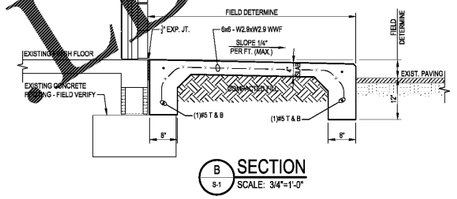
1. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
2. COORDINATE ALL WORK WITH ARCHITECTURAL DRAWINGS.
3. UPON COMPLETION OF DEMOLITION WORK, CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS. IF NECESSARY, ENGINEER SHALL RE-INSPECT ALL EXISTING STRUCTURAL MEMBERS AND CONNECTIONS PRIOR TO CONTRACTOR MAKING ANY NEW STRUCTURAL MODIFICATIONS.
4. ALL LIGHT GAUGE METAL FRAMING TO BE 16ga 50ksi.
5. ALL STRUCTURAL STEEL SHALL BE ASTM A-36, Fy = 36 ksi (MIN.)
6. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS AND SHALL BE PERFORMED BY AWS CERTIFIED WELDERS USING E70XX RODS.
7. ALL WELDS SHALL BE INSPECTED BY AWS CERTIFIED WELDING INSPECTORS.
8. CONTRACTOR SHALL SUPPLY ROOF TOP UNIT CURB / ADAPTERS OF APPROPRIATE DIMENSIONS AND PROVIDE NEW ∠ 4"X 4"X ¼" MEMBERS (IF NOT PRESENT) TO ENSURE CURBS ARE FULLY SUPPORTED.
9. STRUCTURE DESIGN LOADS:
   2015 INTERNATIONAL BUILDING CODE
   DL = ACTUAL LOAD
   WL = EXPOSURE "B" V_{ULT} = 120 mph V_{ASD} = 95 mph
   BUILDING OCCUPANCY CATEGORY II IMPORTANCE FACTOR 1.0 (I w)
   ENCLOSED BUILDING, INTERNAL PRESSURE COEFFICIENT +/-0.18 (GCpi)
   LL ROOF = 20 PSF REDUCED AS ALLOWED BY CODE

STRUCTURAL SCOPE OF WORK:

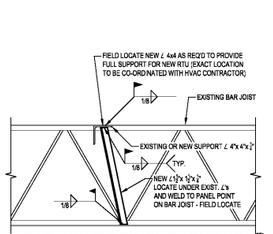
1. PROVIDE LIGHT GAGE METAL FRAMED OPENING IN SIDE EXTERIOR WALL FOR NEW PERSONNEL DOOR.
2. PROVIDE NEW LANDING AT DOOR OPENING.
3. INSTALL (3) NEW ROOF TOP UNITS (RTU) TO INCLUDE NEW RTUS AT EXISTING LOCATIONS ON EXISTING ROOF CURBS, (1) NEW RTU AT EXISTING LOCATION ON NEW ROOF CURB. PROVIDE STRUCTURAL STEEL SUPPORT FOR NEW RTU ON NEW ROOF CURB AS SHOWN ON THE PLAN.



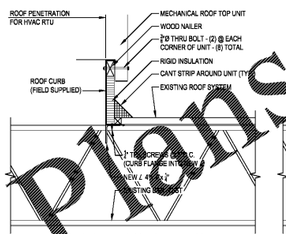
A S-1 SECTION
SCALE: 3/4"=1'-0"



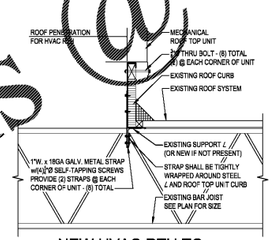
B S-1 SECTION
SCALE: 3/4"=1'-0"



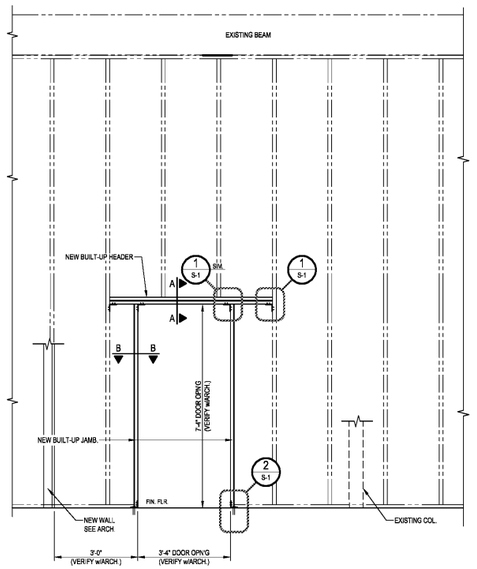
BAR JOIST REINFORCEMENT AND HVAC SUPPORT (TYP.)
SCALE: 1" = 1'-0" (AS REQ'D)



NEW HVAC RTU TO NEW ROOF CURB
SCALE: 1" = 1'-0"

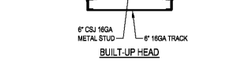


NEW HVAC RTU TO EXISTING ROOF CURB
SCALE: 1" = 1'-0"



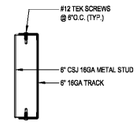
NEW DOOR OPENING IN SIDE WALL

1 S-1 ELEVATION
SCALE: 1/2"=1'-0"



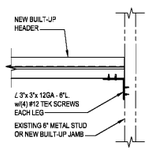
BUILT-UP HEAD

SECTION "A-A"
SCALE: 3" = 1'-0"

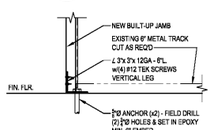


BUILT-UP JAMB

SECTION "B-B"
SCALE: 3" = 1'-0"



1 S-1 DETAIL
SCALE: 1 1/2"=1'-0"



2 S-1 DETAIL
SCALE: 1 1/2"=1'-0"

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CGL JOB No. 1904-29

mark	date	by	description
revisions			

date	02/04/2020
project	20106-13
designed	TBC / DMB
drawn	JEH
checked	TEL

01/28/2020

project: FAMILY DOLLAR STORE, FDS #791901
SELMA, AL

drawing: EXISTING FLOOR PLAN w/STRUCTURAL MODIFICATIONS

sheet: S-1