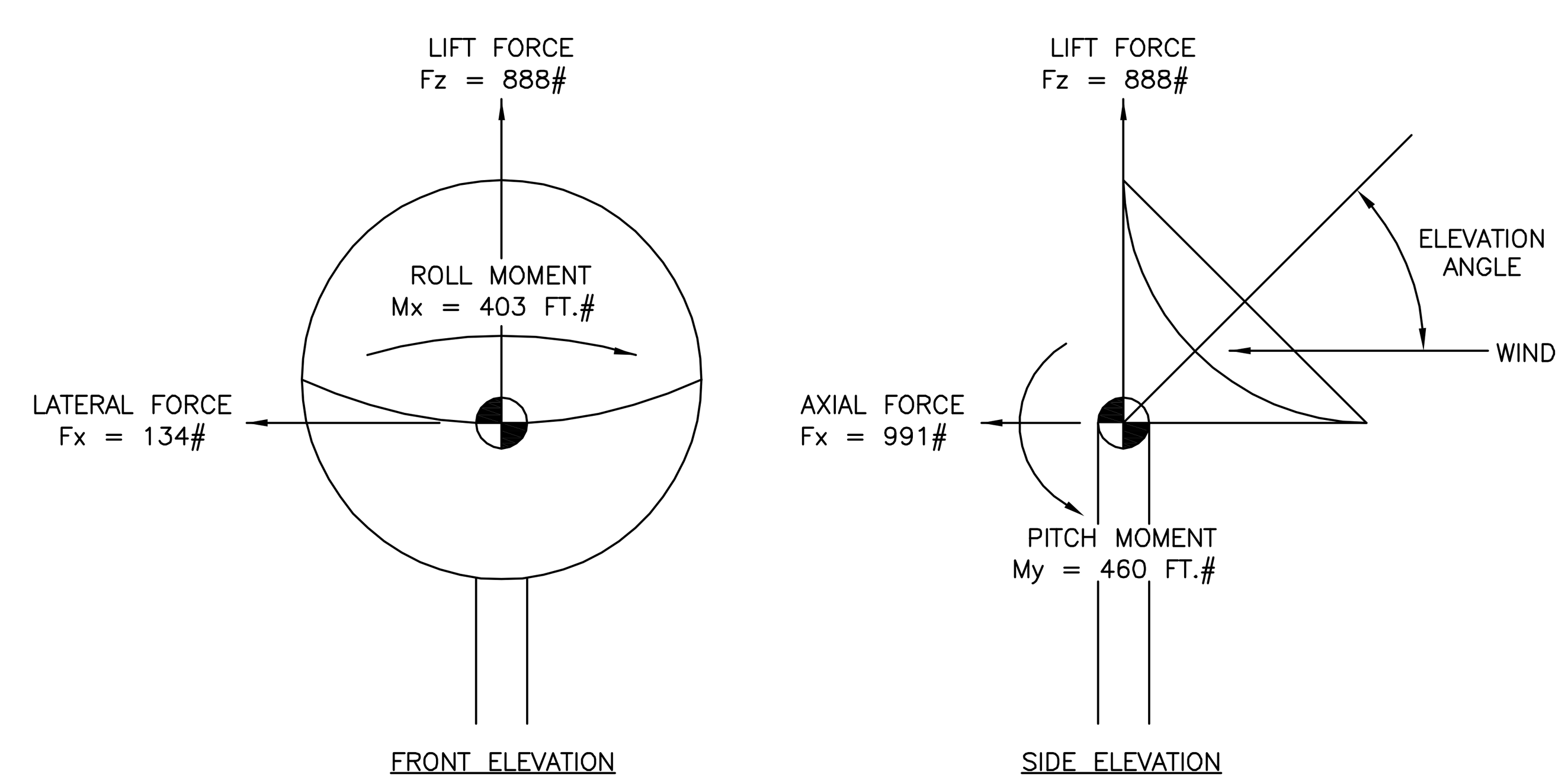
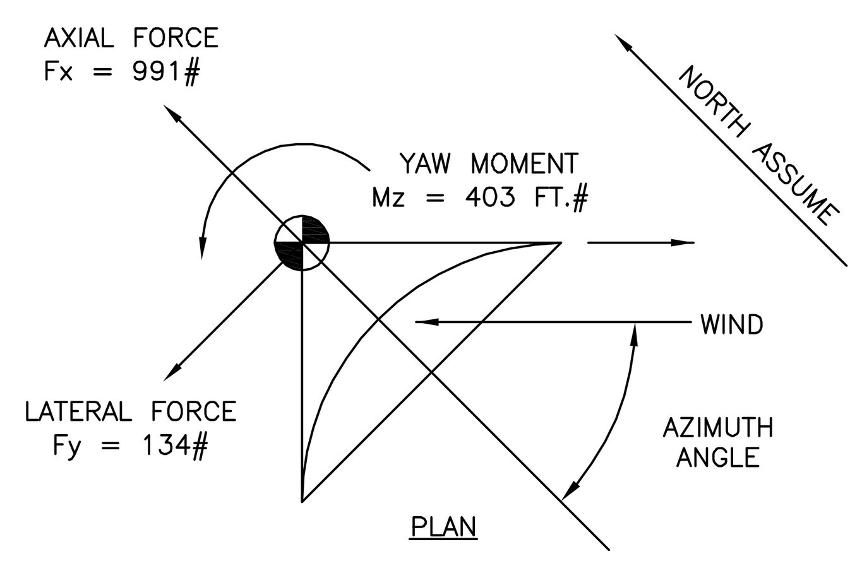
FORCES AND MOMENTS ACTING THROUGH ELEVATION AXIS





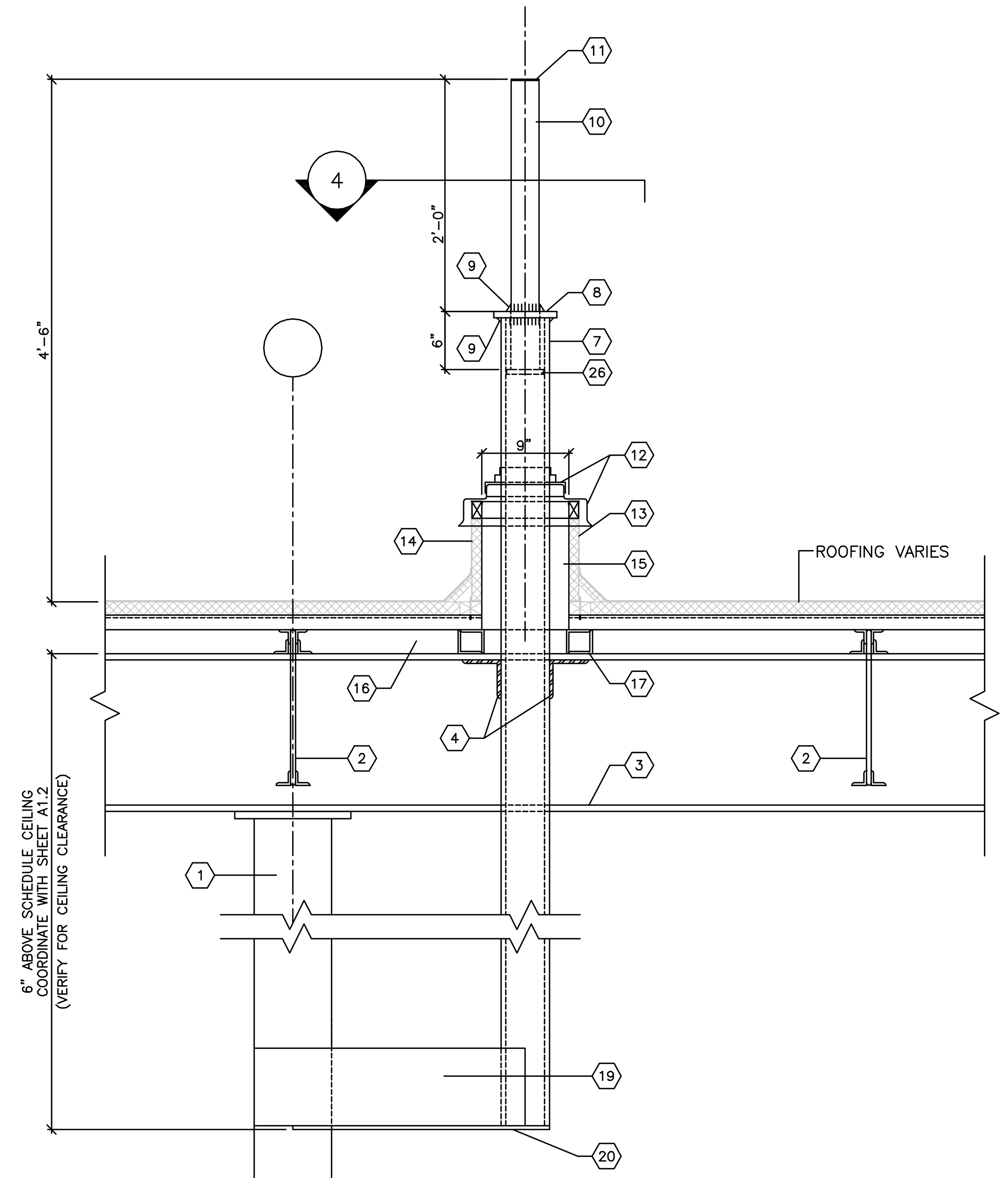
TOTAL VERTICAL LOAD: 1000 LBS.

DESIGN LIMITS:

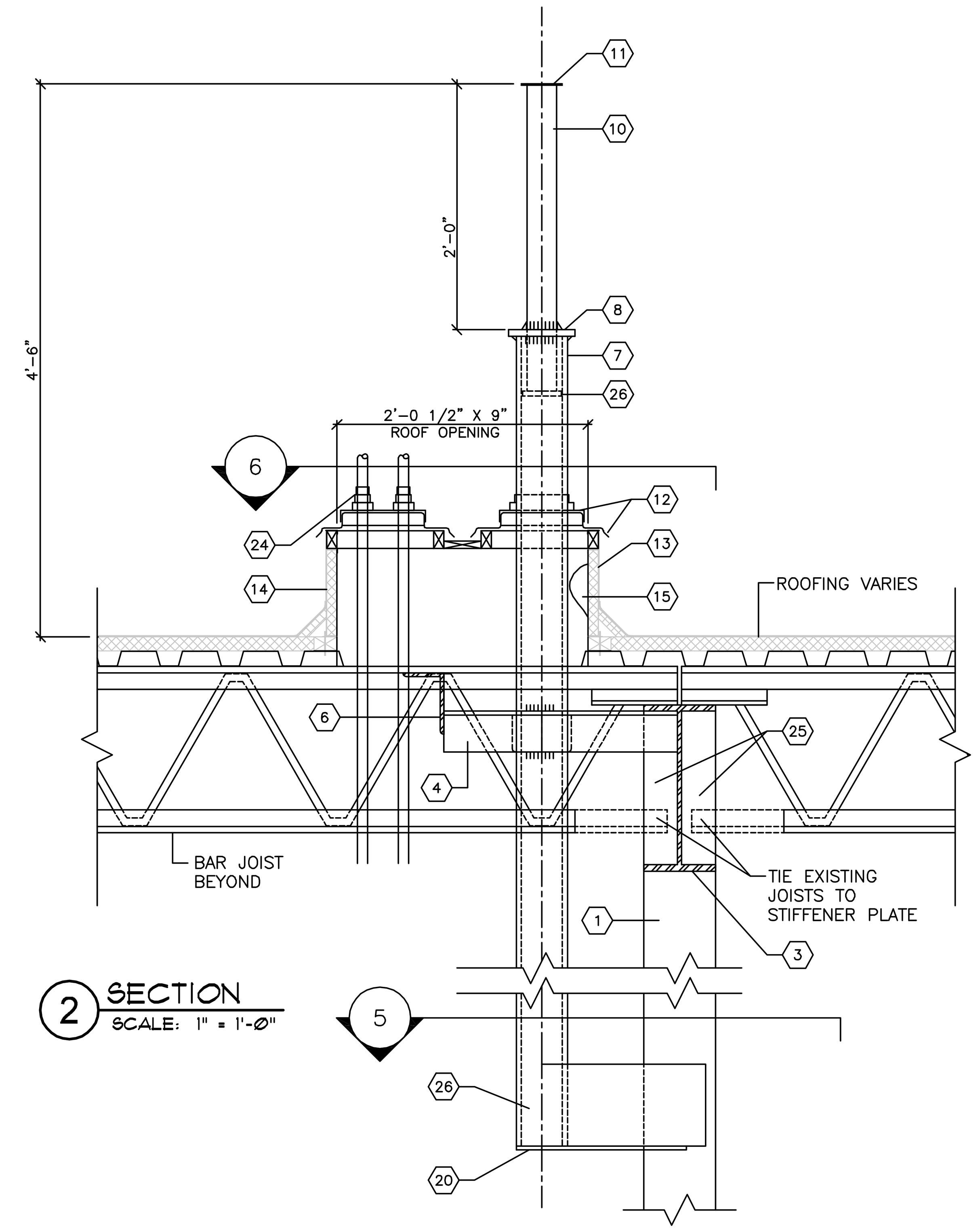
1. MAXIMUM HORIZONTAL ROTATION OF POLE = 0.20 DEGREES AT 45 PSF WIND LOADING.
2. MAXIMUM HORIZONTAL DISPLACEMENT AT TOP OF POLE = 0.20 INCHES AT 45 PSF WIND LOADING.

MAXIMUM LOADS: 140 M.P.H. WIND PRESSURES

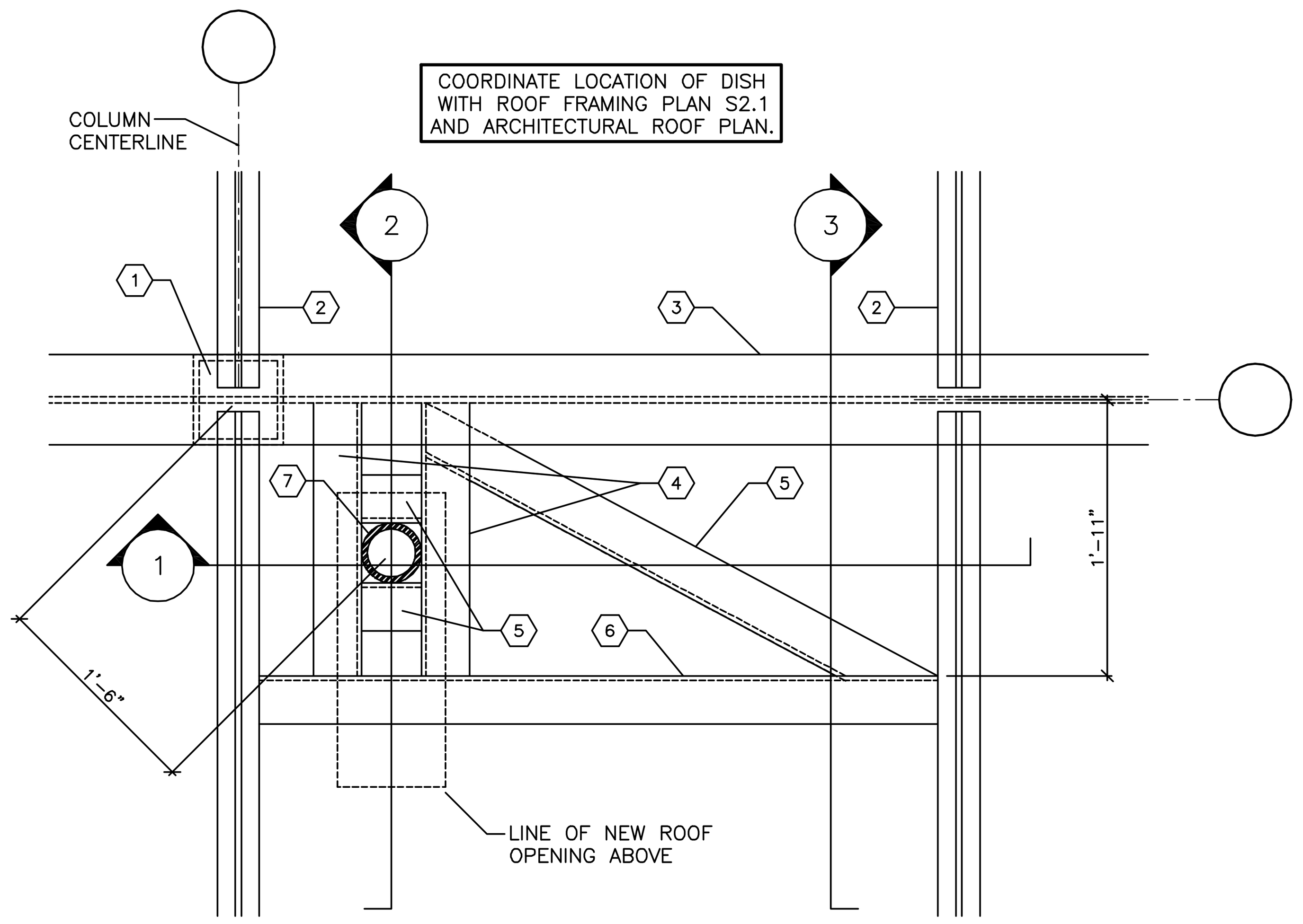
1.2 METER SATELLITE DISH ANTENNA

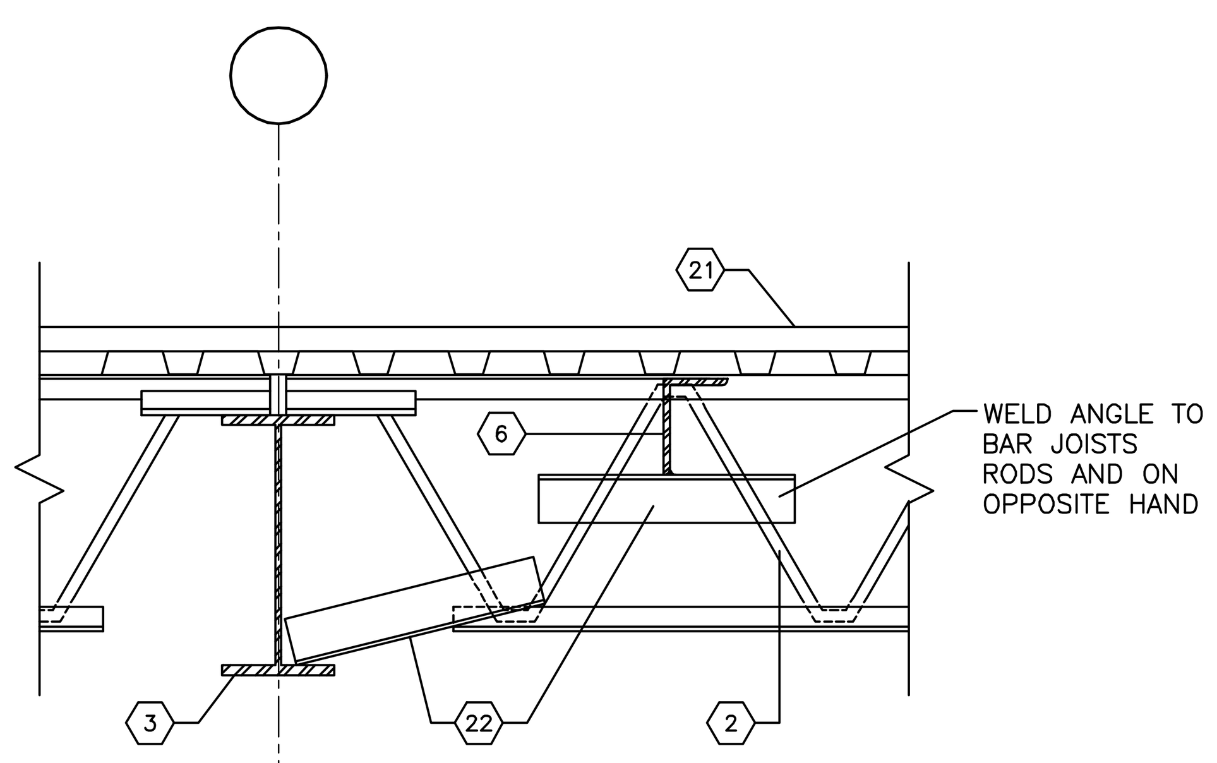


1 SECTION
SCALE: 1" = 1'-0"

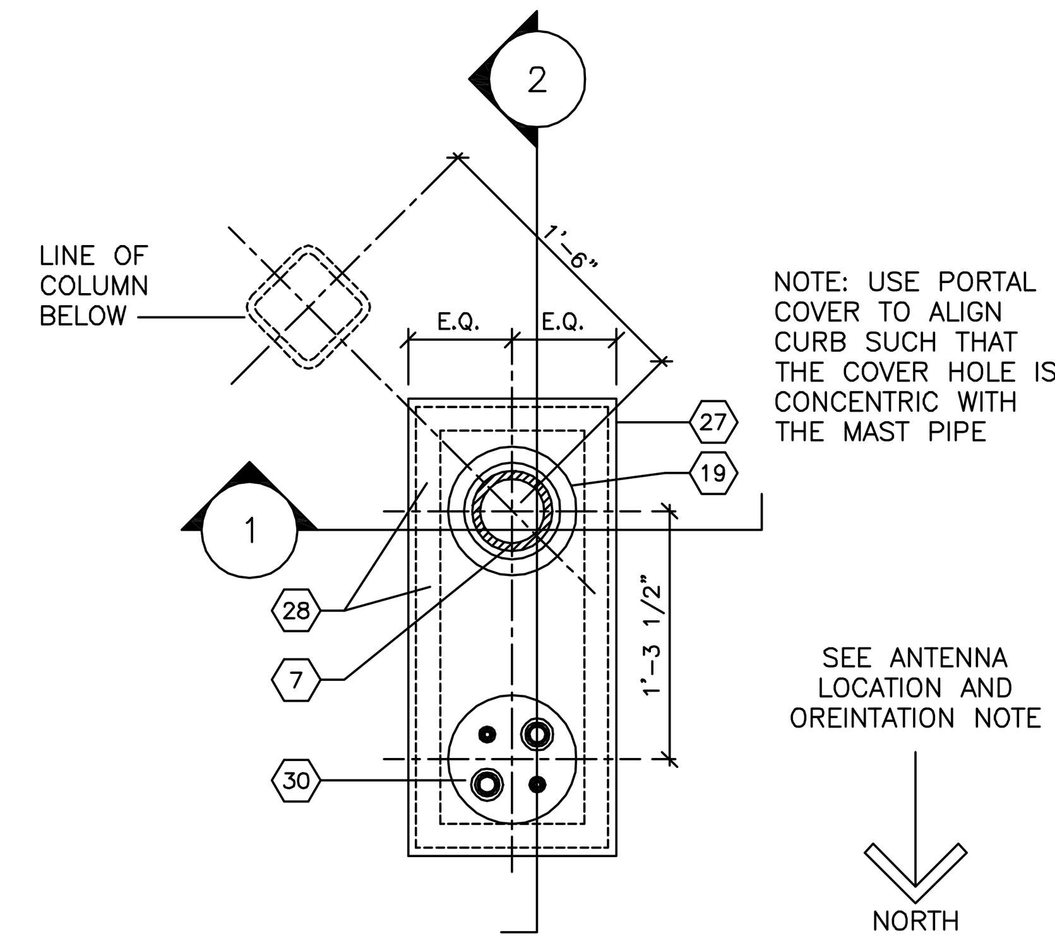


2 SECTION
SCALE: 1" = 1'-0"

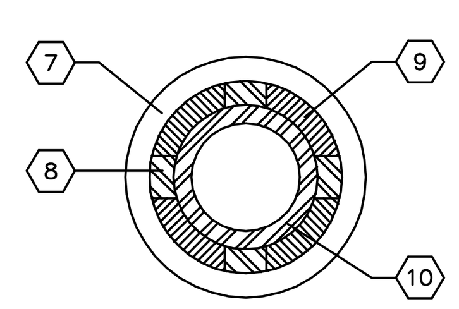




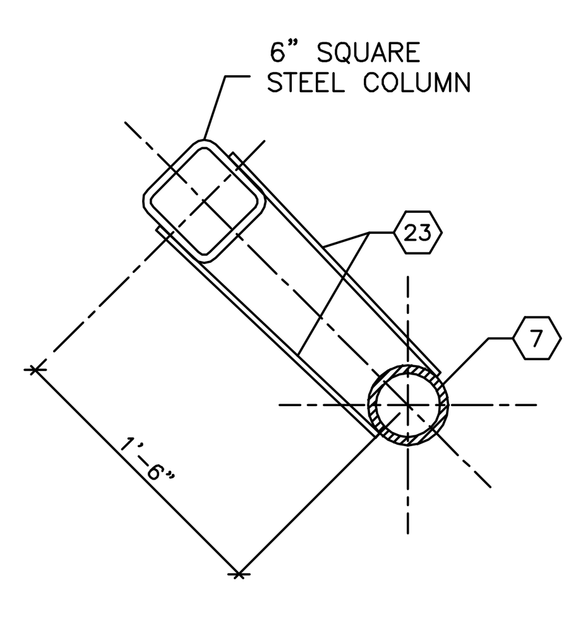
3 SECTION
SCALE: 1" = 1'-0"



6 PLAN AT ROOF
SCALE: 1" = 1'-0"



4 PLAN SECTION
SCALE: 3" = 1'-0"



5 PLAN PIPE CONNECTION BELOW ROOF
SCALE: 1" = 1'-0"

GENERAL NOTES

1. ALL NEW MISC. STRUCTURAL STEEL SHALL BE ASTM A-36. SEE PLAN SPEC'S.
2. ALL NEW STEEL WORK SHALL COMPLY WITH A.I.S.C.
3. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.
4. CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND ALL FIELD CONDITIONS.
5. CONTRACTOR SHALL PROVIDE ALL THE NECESSARY PROTECTION AGAINST DAMAGE AND INJURY TO ALL FACILITIES, MERCHANDISE, EQUIPMENT, PERSONNEL, ETC.
6. ALL EXPOSED STEEL SHALL BE PRIMED AND PAINTED.

ANTENNA LOCATION AND ORIENTATION

ANTENNA SUPPORT AS SHOWN SHALL BE LOCATED AT THE BUILDING COLUMN NEAREST TO PHARMACY. PRIOR TO INSTALLATION, REVIEW LOCATION WITH WALGREENS FACILITIES PLANNING AND DESIGN DEPARTMENT.

CONDUIT OPENING MUST ALWAYS BE ORIENTED TO THE NORTH OF THE ANTENNA PIPE. SUPPORT TO AVOID CONFLICT WITH THE ANTENNA THE ANTENNA MUST HAVE AN UNOBSTRUCTED POINTING DIRECTION FROM SOUTHEAST TO SOUTHWEST.

INSTALLING CONTRACTOR PLEASE NOTE:

1. FOR PROTO-TYPE STORES – BUILDING COLUMN SUPPORTING ANTENNA PIPE AS SHOWN ON SCHEME #1 SHALL BE A MINIMUM OF 6" DIAMETER STANDARD PIPE AND ROOF FRAMING SHALL HAVE HORIZONTAL X-BRACING IN BOTH DIRECTIONS.
2. FOR ANY TYPE OF ROOF FRAMING OR CONSTRUCTION OTHER THAN AS SHOWN, THE SUPPORT AND STABILITY OF THE STRUCTURE SHALL BE CHECKED FOR THE FORCES AND MOMENTS SHOWN ON THIS SHEET.

KEYED NOTES

1. STEEL COLUMN. SEE DETAIL 5/S0.1
2. ROOF JOISTS.
3. STEEL ROOF BEAM.
4. 4" X 4" X 3/8" ANGLES EACH SIDE WELD TO ROOF BEAM, ANGLE AND 5" DIAMETER PIPE.
5. 4" X 4" X 1/4" ANGLE WELD TO ANGLES.
6. 6" X 4" X 3/8" ANGLE WELD TO TOP CHORD OF JOISTS AND TO 3" X 3" X 1/4" ANGLE.
7. 5" DIAMETER DOUBLE EXTRA STRONG PIPE X 38.55#. PIPE SHALL BE WELDED ALL AROUND TO ANGLE SUPPORTS.
8. 5/8" X 6 1/2" ø STEEL PLATE.
9. 1/2" WELD ALL AROUND (GRIND SMOOTH).
10. 2 1/2" DIAMETER X 13.69#/FT. DOUBLE-EXTRA STRONG PIPE (2.86" O.D.). EXTEND 6" INTO 5" DIAMETER PIPE.
11. PROVIDE MINIMUM 24 GAUGE GALVANIZED STEEL TEMPORARY CAP. SECURE TO PIPE WITH CAULKING COMPOUND.
12. EPDM RUBBER CAP (CUT TO FIT PIPE DIAMETER) WITH STAINLESS STEEL CLAMP ON ABS RIB REINFORCED PLASTIC CURB COVER AS MANUFACTURED BY: PORTALS PLUS INC.
    639 THOMAS DR. TEL: (630) 766-5240
    BENSENVILLE, IL (800) 624-8642
13. NON-METALLIC BASE FLASHING.
14. 18 GAUGE GALVANIZED INSULATED METAL CURB STYLE RC-2A AS MANUFACTURED BY PORTALS PLUS. (CURB SIZE 12" X 27 1/2".
15. PACK SOLID AROUND PIPES AND CONDUIT WITH BATT TYPE INSULATION.
16. METAL DECKING.
17. (2) 2 1/2" x 2 1/2" x 1/4", 2'-6" LONG ANGLES WELD TO BEAM.
18. 3/8" X 12" PLATES WELD TO EACH FACE OF COLUMN.
19. 3/8" BENT PLATE WELD TO COLUMN AND STEEL PIPE.
20. 3/8" X 8" BOTTOM PLATE CUT TO FIT, FULL WELD TO EXISTING COLUMN.
21. ROOFING ON RIGID INSULATION ON METAL DECK.
22. WELD 3" X 3" X 1/4" ANGLE.
23. 3/8" X 8" PLATE WELD TO EXISTING COLUMN AND BOTTOM PLATE.
24. EPDM RUBBER CAP FOR CONDUIT THRU ROOF. SEE PLAN AT ROOF DETAIL 6/S0.1.
25. 3/8" STIFFENER PLATES.
26. 3/8" STEEL PLATE, FIT INSIDE DIAMETER OF 5" ø DOUBLE-EXTRA STRONG PIPE. WELD TO 2 1/2" ø PIPE.
27. MULTI-OPENING PIPE PORTAL SYSTEM 18 GAUGE INSULATED GALVANIZED METAL CURB.
28. ACRYLIC COATED ABS PLASTIC COVERS FOR DOUBLE PIPE PORTAL SYSTEM.
29. EPDM RUBBER CAP SINGLE OPENING (SEE SECTIONS).
30. EPDM RUBBER CAP CUT TO FIT FOR CONDUITS (SEE DETAILS ON SHEET E4.4). SEE ANTENNA LOCATION AND ORIENTATION NOTE.

FWH Architects, Inc.
3336 Grand Blvd. Suite 102
Holiday, Florida 34690
Ph. 727. 815. 3336
Fax 727. 815. 3337

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
☐ WALGREENS' CONSULTANT
■ LANDLORD'S CONSULTANT

CONSTRUCTION WORK BY: (UNLESS NOTED OTHERWISE)
☐ WALGREENS' CONTRACTOR
■ LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

STORE		BUILDING	
NEW..........	■	NEW..........	■
REMODELING...	☐	EXISTING......	☐
RELOCATION...	☐	NEW SHELL ONLY	☐
OTHER........	☐		

PROFESSIONAL ENGINEERING, INC.
19427 Melody Fair Place . Lutz, FL . 33558
Ph: 813.926.0568 Fx: 813.926.0562
Alan C. Guenther, P.E. #53308 / C.A. #26813

NO.	DATE	DESCRIPTION

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA AS SIGNIFIED BY MY HAND AND SEAL.

ALAN C. GUENTHER, P.E.
FL P.E. NO. 53308

PROJECT NAME
STORE #13450
SWC OF FOURAKER & NORMANDY
JACKSONVILLE, FLORIDA

DRAWING TITLE
SATELLITE DETAILS

DATE: 11.24.09	WALGREENS STORE NO. 13450	DRAWING NO. **S0.1**
DRAWN BY: MAK	SCALE: AS NOTED	
REVIEWED BY: ACG	RELEASED TO CONSTRUCTION	FWH PROJECT NO. 0913