

WKE

JULY 2013

ORDER OF SHEETS

Section No. 1 Title
Section No. 2 Roof Replacement Details
TOTAL SHEETS = 30

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NS FREEWAY, REST AREA 26

SAFETY REST AREA IMPROVEMENTS

NON HIGHWAY

KENOSHA COUNTY

STATE PROJECT

1030-31-71

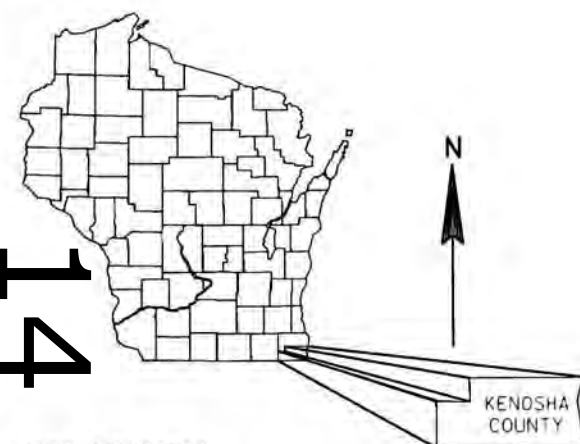
FEDERAL PROJECT

PROJECT

CONTRACT

STATE PROJECT NUMBER

1030-31-71



DESIGN DESIGNATION

A.A.D.T. 2014 = N/A
A.A.D.T. 2034 = N/A
D.H.V. 2034 = N/A
D.D. = N/A
T. = N/A
DESIGN SPEED = N/A
ESALS = N/A

CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS
PROPERTY LINE
LOT LINE
LIMITED HIGHWAY EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT
PROPOSED CULVERT
(Box or Pipe)

COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

PROFILE

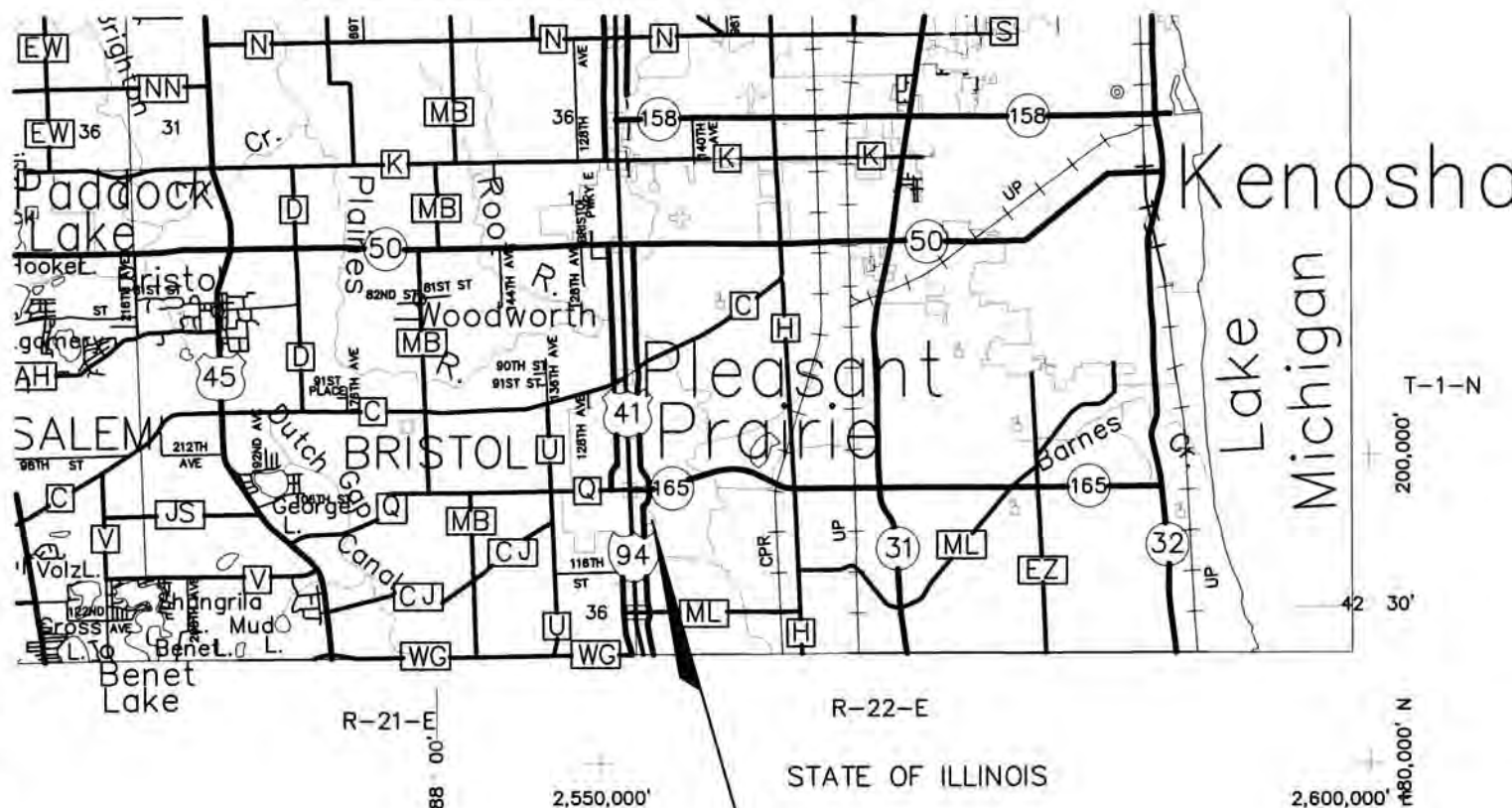
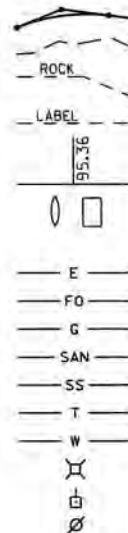
GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE
(To be noted as such)
SPECIAL DITCH

GRADE ELEVATION

CULVERT (Profile View)

UTILITIES

ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE



PROJECT LOCATION 1030-31-71

X = 594,935
Y = 103,265

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = N/A MI.

"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), 'KENOSHA' COUNTY."

ORIGINAL PLANS PREPARED BY

Mead & Hunt

Mead & Hunt, Inc.
6501 Watts Road
Madison, WI 53719
608.273.6380
fax: 608.273.6391
www.meadhunt.com



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

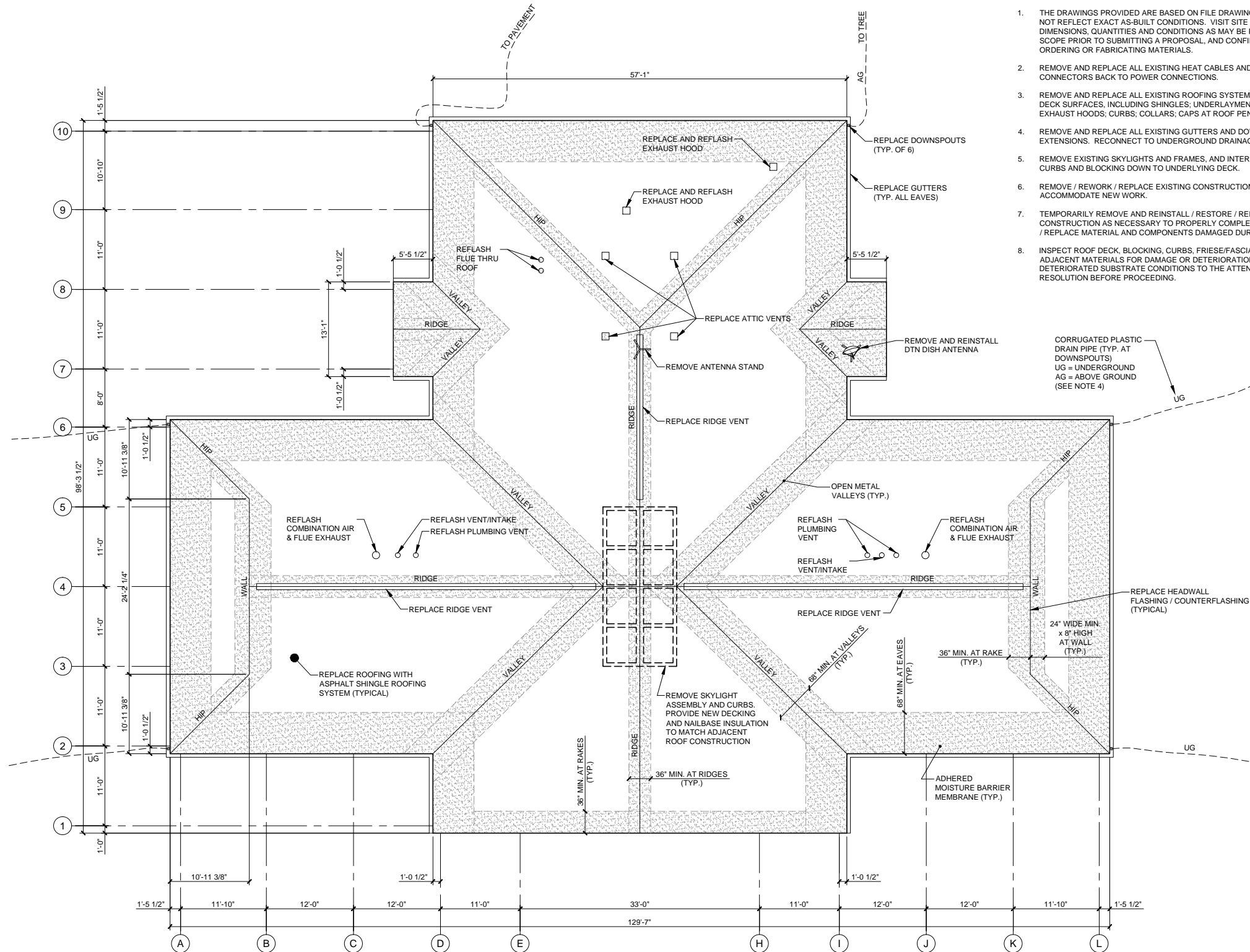
PREPARED BY

Surveyor MEAD & HUNT, INC.
Designer MEAD & HUNT, INC.
Project Manager RICHARD SCHMALE
Regional Examiner _____
Regional Supervisor _____
C.O. Examiner _____

APPROVED FOR THE DEPARTMENT

DATE: 1/14/13 [Signature]
(Signature)

E



5/8-INCH PLYWOOD DECKING	
LOCATION	SPV.0165
UNDISTRIBUTED	640 SF

APPROXIMATE EXISTING CONDITIONS ARE SHOWN. SEE ROOFING REPLACEMENT NOTES AND SPECIFICATIONS FOR REQUIREMENTS FOR NEW WORK.



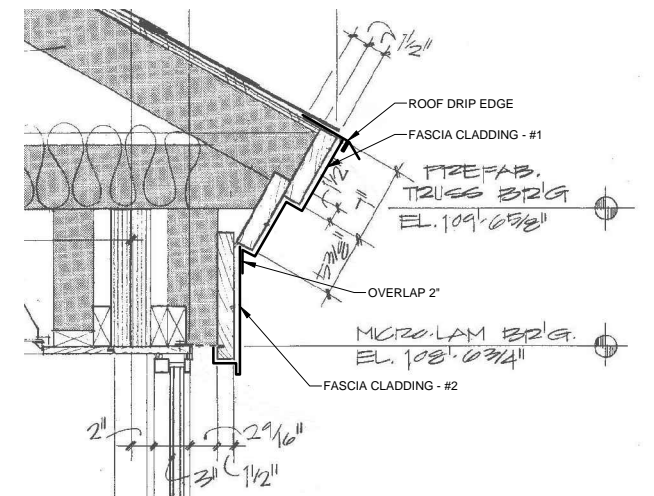
ROOF REPLACEMENT PLAN

1/8" = 1'-0"



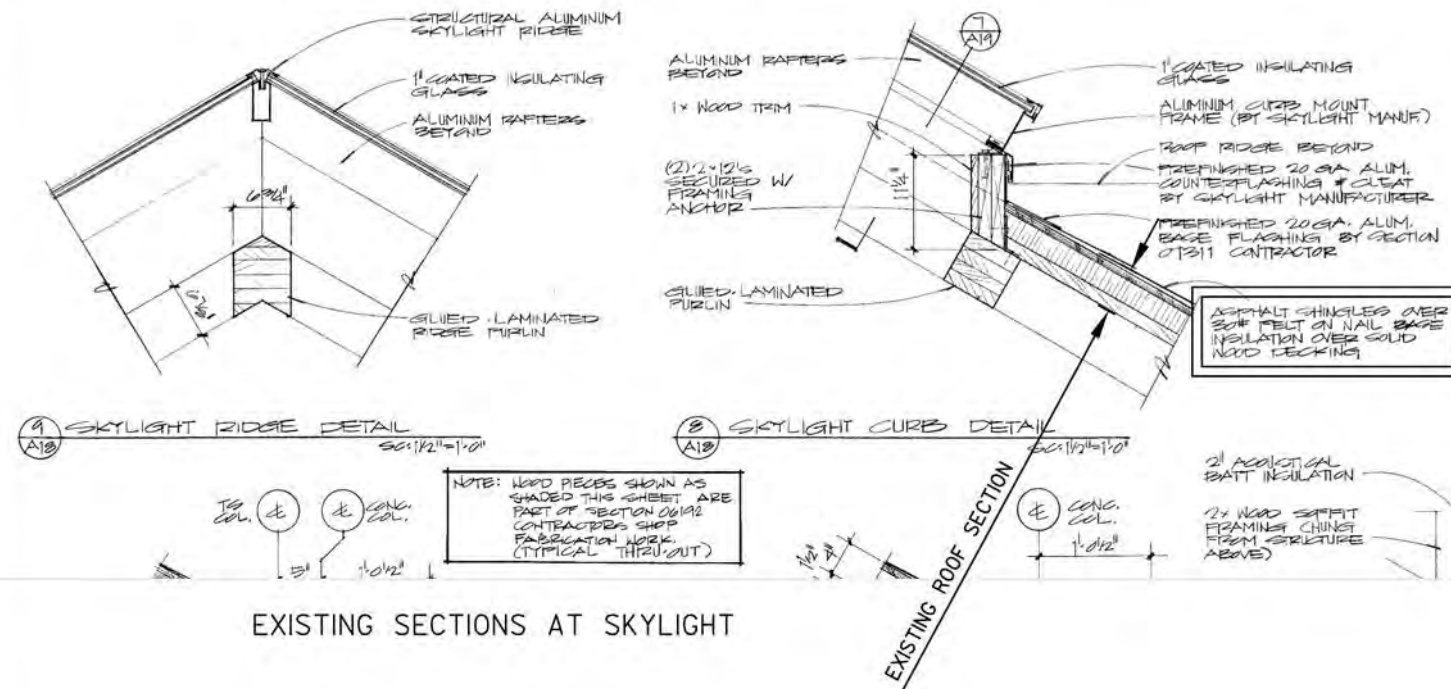
ROOFING REPLACEMENT NOTES:

- THE DRAWINGS PROVIDED ARE BASED ON FILE DRAWINGS OF THE BUILDING, BUT MAY NOT REFLECT EXACT AS-BUILT CONDITIONS. VISIT SITE TO FIELD VERIFY ANY DIMENSIONS, QUANTITIES AND CONDITIONS AS MAY BE PERTINENT TO THE WORK SCOPE PRIOR TO SUBMITTING A PROPOSAL, AND CONFIRM AS APPROPRIATE PRIOR TO ORDERING OR FABRICATING MATERIALS.
- REMOVE AND REPLACE ALL EXISTING HEAT CABLES AND RELATED HARDWARE AND CONNECTORS BACK TO POWER CONNECTIONS.
- REMOVE AND REPLACE ALL EXISTING ROOFING SYSTEM COMPONENTS DOWN TO ROOF DECK SURFACES, INCLUDING SHINGLES; UNDERLAYMENTS; FLASHING; ATTIC VENTS; EXHAUST HOODS; CURBS; COLLARS; CAPS AT ROOF PENETRATIONS; ETC.
- REMOVE AND REPLACE ALL EXISTING GUTTERS AND DOWNSPOUTS, AND DRAINAGE PIPE EXTENSIONS. RECONNECT TO UNDERGROUND DRAINAGE PIPES.
- REMOVE EXISTING SKYLIGHTS AND FRAMES, AND INTERIOR SHADES, AND ASSOCIATED CURBS AND BLOCKING DOWN TO UNDERLYING DECK.
- REMOVE / REWORK / REPLACE EXISTING CONSTRUCTION AS NECESSARY TO ACCOMMODATE NEW WORK.
- TEMPORARILY REMOVE AND REINSTALL / RESTORE / REPLACE ADJACENT CONSTRUCTION AS NECESSARY TO PROPERLY COMPLETE THE WORK. FULLY RESTORE / REPLACE MATERIAL AND COMPONENTS DAMAGED DURING TEMPORARY REMOVAL.
- INSPECT ROOF DECK, BLOCKING, CURBS, FRIESE/FASCIAS, AND OTHER UNDERLYING OR ADJACENT MATERIALS FOR DAMAGE OR DETERIORATION, AND BRING ANY DETERIORATED SUBSTRATE CONDITIONS TO THE ATTENTION OF THE OWNER FOR RESOLUTION BEFORE PROCEEDING.
- INSPECT, RESET, REPLACE AND SUPPLEMENT EXISTING FASTENERS IN UNDERLYING CONSTRUCTION (DECKING, BLOCKING, CURBS, FRIESE/FASCIAS, ETC.) AS NECESSARY TO ENSURE THEY ARE PROPERLY ALIGNED AND SECURED TO SUPPORTING CONSTRUCTION AND FREE OF PROJECTIONS, GAPS OR EDGES THAT MAY ADVERSELY AFFECT INSTALLATION OR PERFORMANCE OF THE NEW MATERIALS.
- PROVIDE WRITTEN INSPECTION REPORT ACKNOWLEDGING COMPLETION OF SPECIFIED SUBSTRATE INSPECTION AND PREPARATION, AND SUITABILITY OF SUBSTRATE FOR INSTALLATION OF NEW MATERIALS.
- PROVIDE A COMPLETE NEW FULLY WARRANTED ASPHALT SHINGLE ROOFING SYSTEM INCLUDING:
 - ADHERED MOISTURE BARRIER MEMBRANE MINIMUM 68" WIDE AT EAVES; MINIMUM 36" WIDE AT OTHER EDGES; MINIMUM 68" WIDE (CENTERED) AT VALLEYS, MINIMUM 36" WIDE AT RIDGES; MINIMUM 24" OUT AND 8" VERTICAL ALONG WALLS. 30# FELT UNDERLAYMENT ELSEWHERE, LAPPED 2" MIN. TO PROVIDE A NATURALLY SHEDDING CONTINUOUS BARRIER BELOW THE SHINGLES. INSTALL OVER DRIP EDGE AT EAVES; UNDER DRIP EDGE AT RAKES.
 - FIBERGLASS ROOF SHINGLE SYSTEM, COMPLETE WITH ALL RELATED FLASHING, COUNTERFLASHING, TRIM, DRIPEDEGE, CLOSURES, VENTS, VENTCAPS, AND OTHER INCIDENTALS IN FULL ACCORDANCE WITH MFR'S RECOMMENDED / WARRANTED DETAILS FOR ACTUAL PROJECT CONDITIONS. PROVIDE OPEN METAL VALLEYS WITH PREFINISHED 26GA. GALVALUME 24" WIDE VALLEY FLASHING WITH CENTER RIB; COLOR TO MATCH SHINGLES; 10' LENGTHS, OVERLAP JOINTS 12" AND SEAL, NAILS 8" MIN. FROM CENTER. PROVIDE STEP FLASHING WITH REGLET COUNTERFLASHING AT ADJACENT WALLS TO REPLICATE EXISTING. ALL EXPOSED METAL FLASHING SHALL BE PREFINISHED DARK BRONZE.
 - PREFINISHED METAL GUTTERS CONTINUOUS IN MAXIMUM POSSIBLE LENGTHS WITH JOINTS SEALED, ALONG CURRENTLY GUTTERED BUILDING EAVES, WITH CUSTOM PROFILE TO MATCH ORIGINAL DETAIL 4/A19.
 - PREFINISHED METAL DOWNSPOUTS IN SAME SIZE AND LOCATION AS EXISTING, WITH 6'-0" LATERAL EXTENSION AT BOTTOM.
 - NEW ROOF EXHAUST HOODS AND NEW FLASHING AT ALL ROOF PENETRATIONS.
 - NEW CONTINUOUS ATTIC VENTS FULL LENGTH OF ALL RIDGES AND HIPPS, WITH INTERNAL INSECT SCREENS.
 - REMOVE, REWORK OR REPLACE ADJACENT MATERIALS AS NECESSARY TO ACCOMMODATE THE NEW ROOF SYSTEM, PROVIDE A WATERTIGHT SYSTEM, MAINTAIN ORIGINAL APPEARANCE AND MEET MFR'S WARRANTIES.
- REMOVE EXISTING SKYLIGHT ASSEMBLY AND RELATED CURBS AND BLOCKING.
- INFILL OPENING WITH 1 1/2" SOLID T&G WOOD DECKING SPANNING ACROSS EXISTING PURLINS. MATCH MATERIAL, FINISH AND APPEARANCE OF EXISTING ADJACENT WOOD DECKING.
 - PROVIDE NAILBASE INSULATION OVER WOOD DECKING TO MATCH THICKNESS OF EXISTING ADJACENT ROOF CONSTRUCTION. NAILBASE SHALL BE RIGID ASTM C1289 TYPE V POLYISOCYANURATE INSULATION FACTORY BONDED TO MIN. 19/32" APA RATED PS2 CDX PLYWOOD. VERIFY 4" OVERALL THICKNESS TO MATCH EXISTING.
- PROVIDE NEW ROOF DRIP EDGE AND 2-PIECE FASCIA CLADDING PER ATTACHED DETAIL BELOW FOR ALL PERIMETER CONDITIONS. FIELD VERIFY FINAL DIMENSIONS AND MODIFY AS NEEDED FOR ACTUAL LOCAL CONDITIONS.

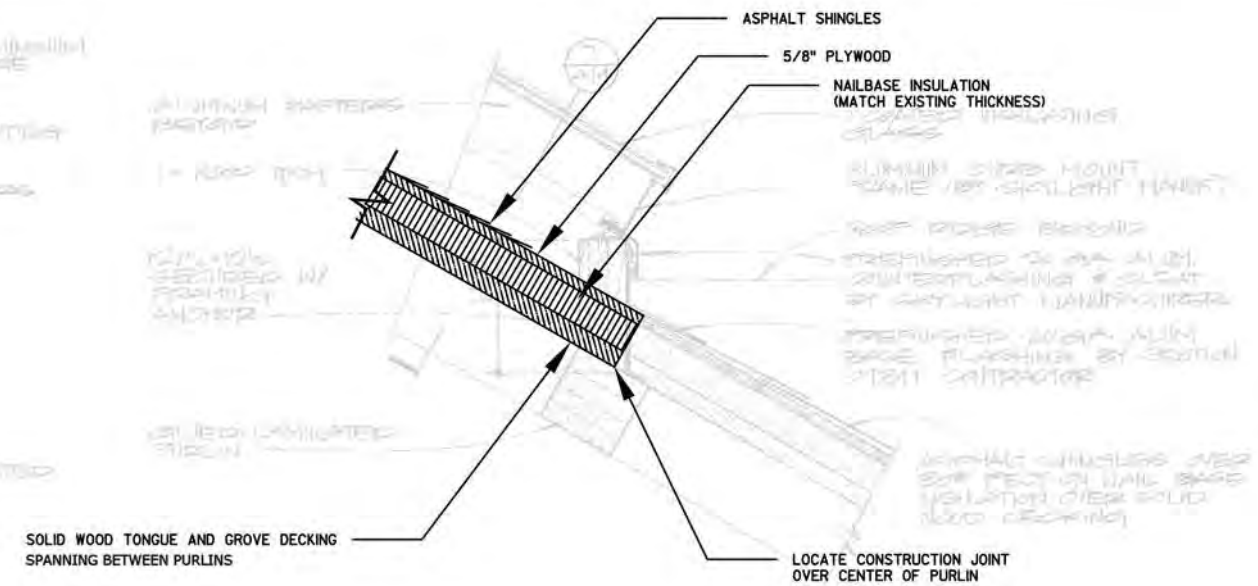


FASCIA REPLACEMENT DETAIL

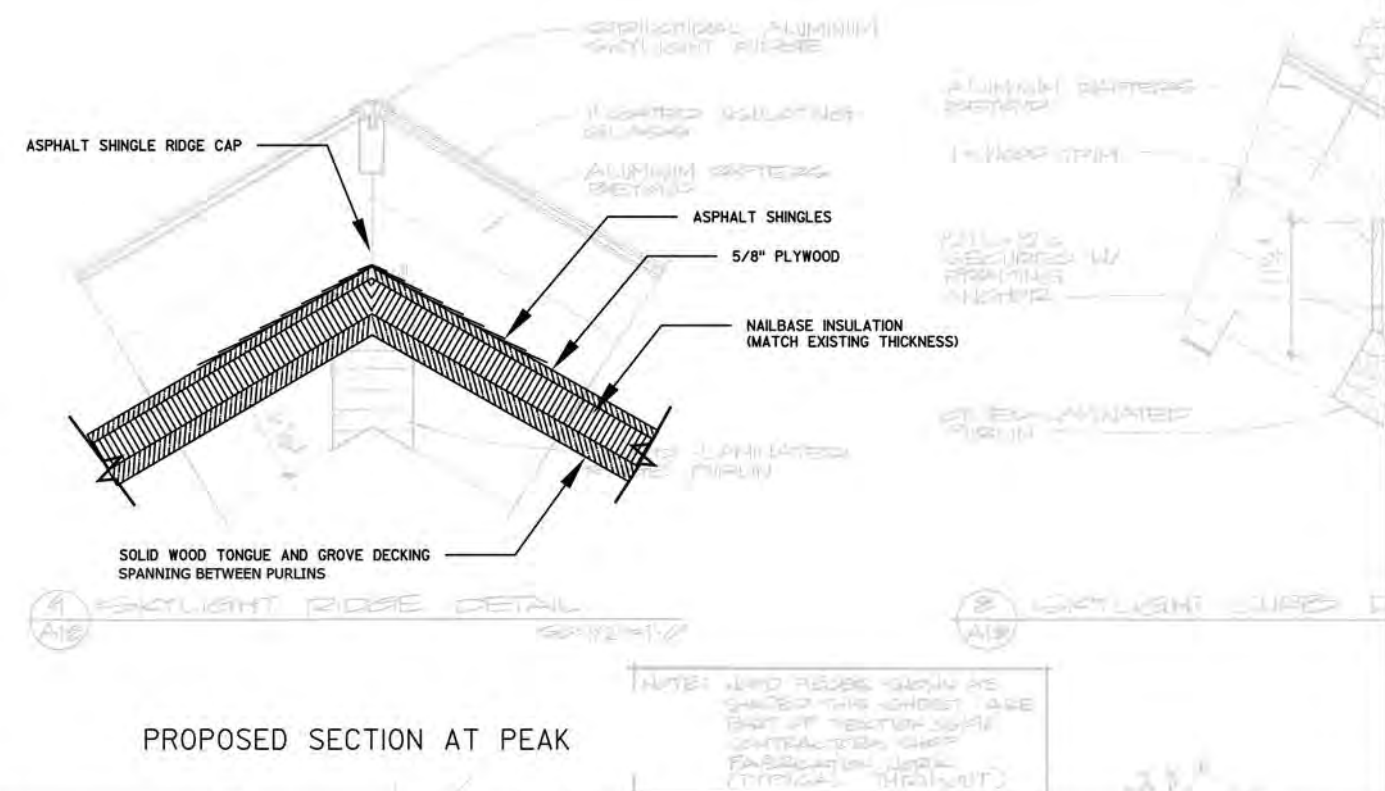
1 1/2" = 1'-0"



EXISTING SECTIONS AT SKYLIGHT



PROPOSED SECTION AT SKYLIGHT



PROPOSED SECTION AT PEAK

1032-7-73 Kenosha

May

INDEX OF SHEETS

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Sheet No.	-	Miscellaneous Quantities
Sheet No.	-	Right of Way Plat
Sheet No.	-	Plan and Profile
Sheet No.	6	Standard Detail Drawings
Sheet No.	-	Sign Plates
Sheet No.	-	Structure Plans
Sheet No.	-	Computer Earthwork Data
Sheet No.	-	Cross Sections

TOTAL SHEETS = 57



DESIGN DESIGNATION

A.D.T.	=
A.D.T.	=
D.H.V.	=
D.	=
T.	=
V.	=

CONVENTIONAL SIGNS

COUNTY LINE	---	COMBUSTIBLE FLUIDS (UNDER PRESSURE)	☼
CORPORATE LIMITS	=====	UNDERGROUND UTILITIES	---
PROPERTY LINE	----	GAS	G
LOT LINE	----	ELECTRIC	E
LIMITED HIGHWAY EASEMENT	----	TELEPHONE	T
EXISTING RIGHT OF WAY	----	SERVICE PEDESTAL	⊞
NEW RIGHT OF WAY	----	CABLE MARKER	⊞
REFERENCE LINE	----	POWER POLE	⊞
SLOPE INTERCEPT	----	TELEPHONE POLE	⊞
ORIGINAL GROUND	----	RAILROADS	+
MARSH OR ROCK PROFILE	----	MARSH	~
CULVERT IN PLACE	----	WOODED AREA	+
CULVERT REQUIRED	----		
CULVERT REQUIRED (Profile)	----		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

I-94

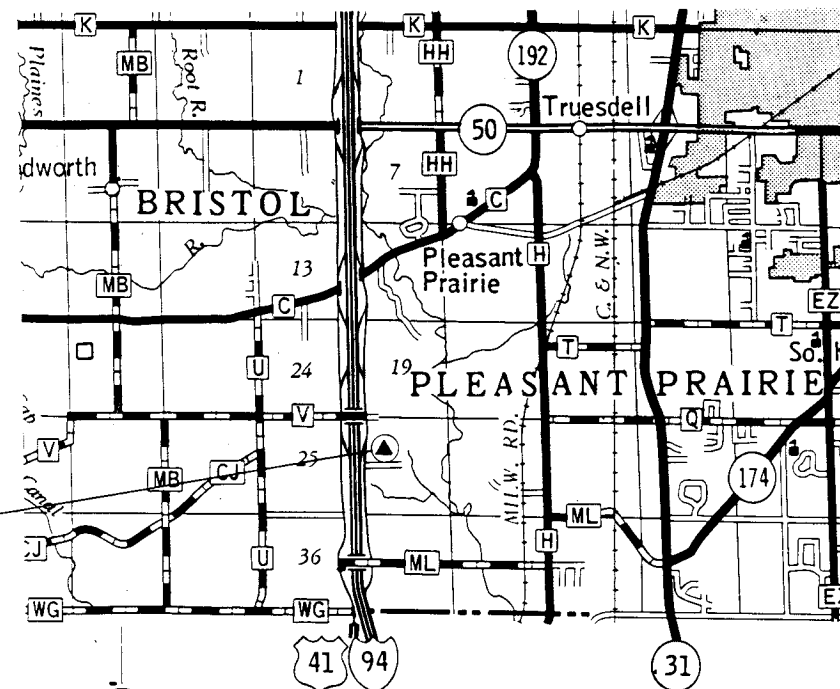
STATE LINE TO MILWAUKEE ROAD

WISCONSIN INFORMATION CENTER (BUILDING)

KENOSHA COUNTY

STATE PROJECT NUMBER

1032-07-73



BUILDING SITE

X = 552,820
Y = 197,200

STATE OF ILLINOIS

REFERENCE DRAWINGS FROM ORIGINAL CONSTRUCTION

Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.

TOTAL NET LENGTH OF CENTERLINE = 0.00 MI.

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STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1032-07-73	IR 94-6(64) 346	1

HVAC

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P-2	FLOOR PLAN
P-3	WASTE AND VENT PIPING ISOMETRIC
P-4	WATER PIPING ISOMETRIC

ELECTRICAL

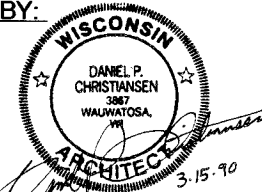
E-1	SITE ELECTRICAL PLAN
E-2	PARTIAL SITE ELECTRICAL PLAN
E-3	ELECTRICAL FLOOR PLAN
E-4	ELECTRICAL CEILING PLAN
E-5	SCHEDULES
E-6	SERVICE RISER & SCHEDULES

ORIGINAL PLANS

PREPARED BY:

PSI DESIGN/
ARCHITECTS

BIG BEND,
WISCONSIN



March 15, 1990

DATE SIGNATURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Surveyor _____ District Checker _____
Designer _____ C.O. Plan Examiner _____
District Supervisor _____ C.O. Coordinator _____

APPROVED:

DATE: 3/28/90 Paul J. Christensen
for CHIEF UTILITIES ENGINEER

APPROVED:

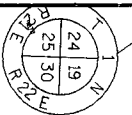
DATE: 3/28/90 Robert W. Boy
for STATE DESIGN ENGINEER FOR HWYS.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 5 WISCONSIN DIVISION

APPROVED:

DATE: _____
DIVISION ADMINISTRATOR

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

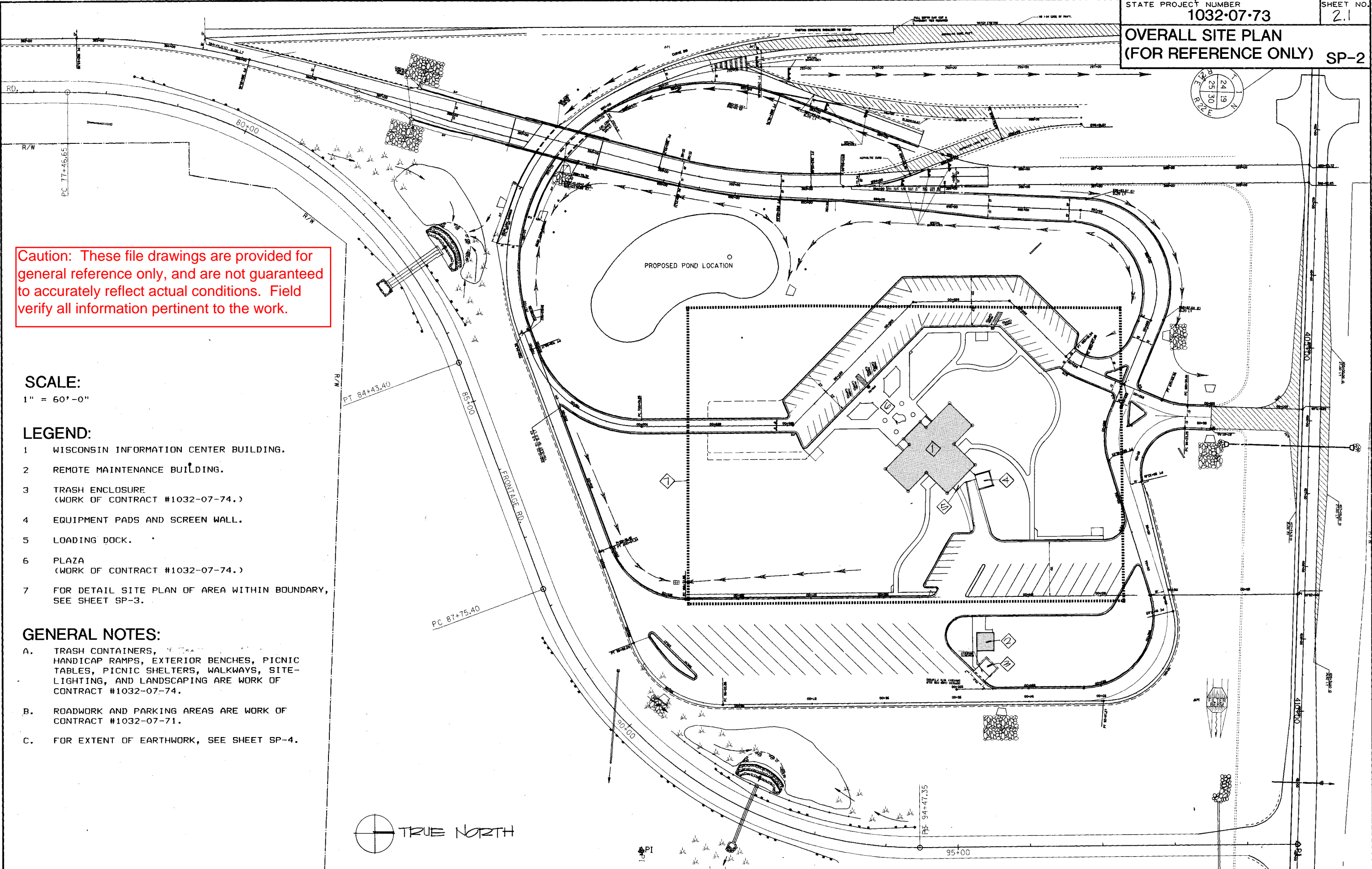


Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.

SCALE:
1" = 60'-0"

- LEGEND:
- 1 WISCONSIN INFORMATION CENTER BUILDING.
 - 2 REMOTE MAINTENANCE BUILDING.
 - 3 TRASH ENCLOSURE (WORK OF CONTRACT #1032-07-74.)
 - 4 EQUIPMENT PADS AND SCREEN WALL.
 - 5 LOADING DOCK.
 - 6 PLAZA (WORK OF CONTRACT #1032-07-74.)
 - 7 FOR DETAIL SITE PLAN OF AREA WITHIN BOUNDARY, SEE SHEET SP-3.

- GENERAL NOTES:
- A. TRASH CONTAINERS, HANDICAP RAMPS, EXTERIOR BENCHES, PICNIC TABLES, PICNIC SHELTERS, WALKWAYS, SITE-LIGHTING, AND LANDSCAPING ARE WORK OF CONTRACT #1032-07-74.
 - B. ROADWORK AND PARKING AREAS ARE WORK OF CONTRACT #1032-07-71.
 - C. FOR EXTENT OF EARTHWORK, SEE SHEET SP-4.



Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.

SCALE

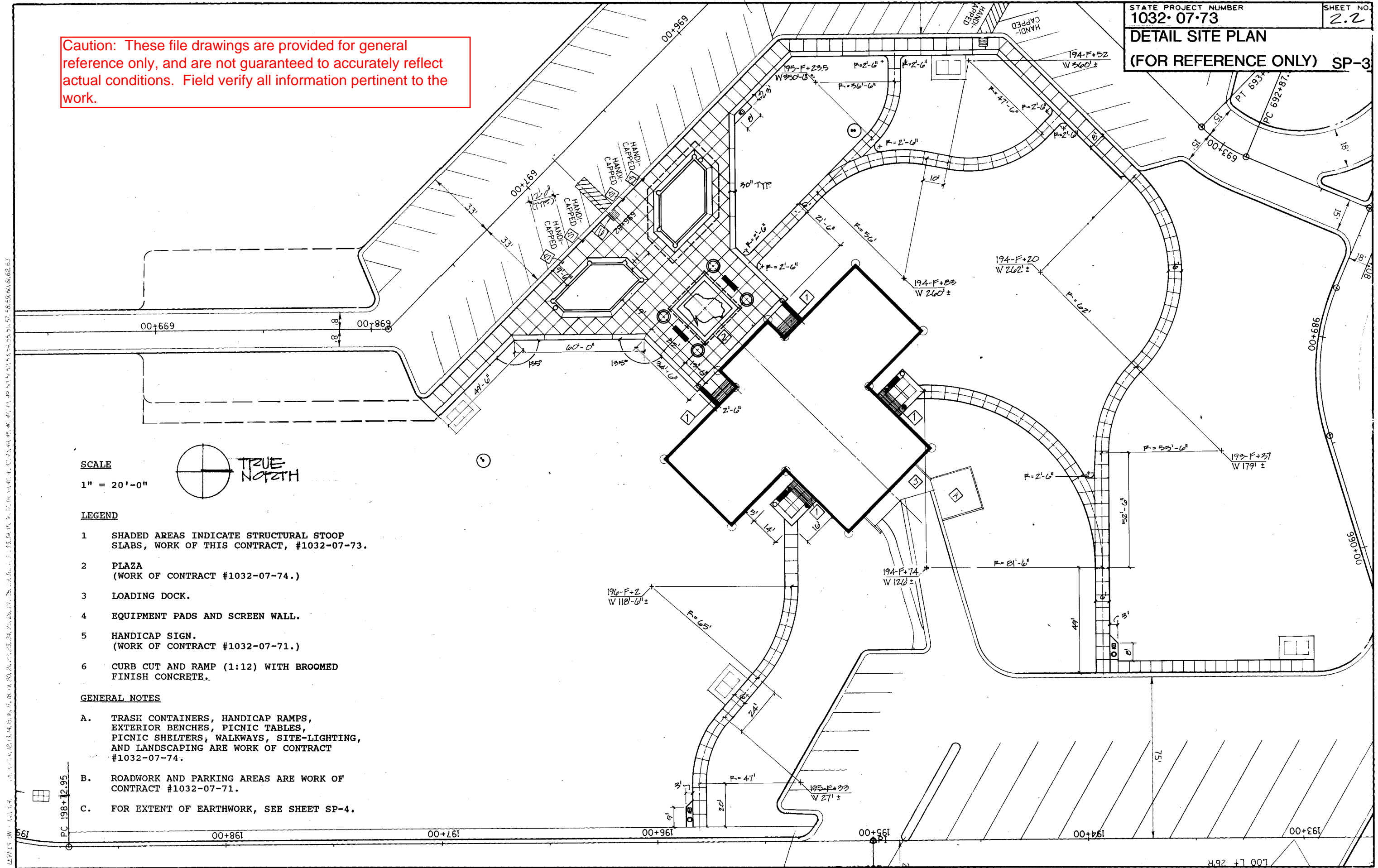
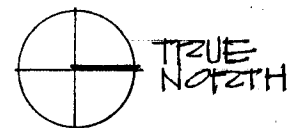
1" = 20'-0"

LEGEND

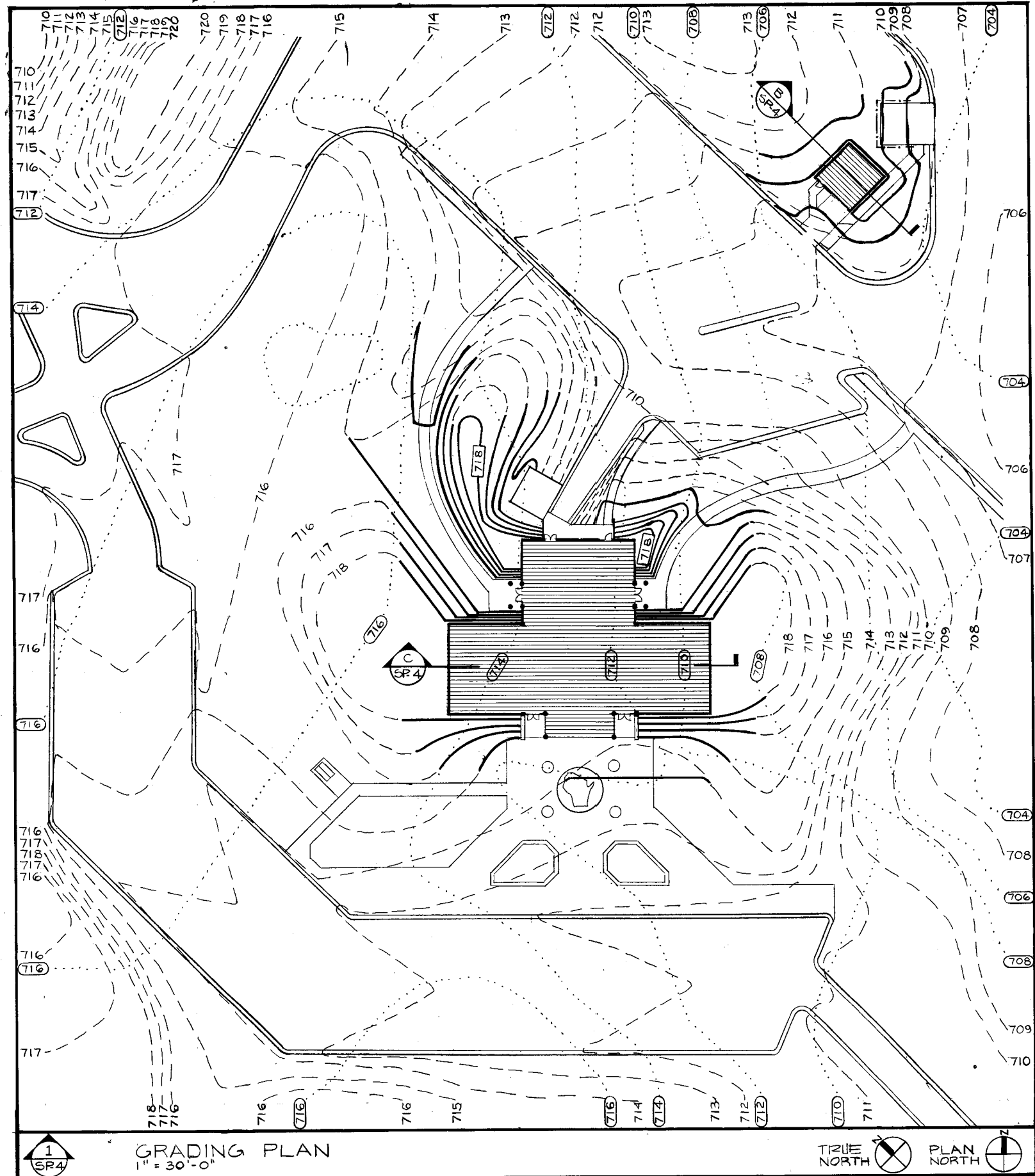
- 1 SHADED AREAS INDICATE STRUCTURAL STOOP SLABS, WORK OF THIS CONTRACT, #1032-07-73.
- 2 PLAZA (WORK OF CONTRACT #1032-07-74.)
- 3 LOADING DOCK.
- 4 EQUIPMENT PADS AND SCREEN WALL.
- 5 HANDICAP SIGN. (WORK OF CONTRACT #1032-07-71.)
- 6 CURB CUT AND RAMP (1:12) WITH BROOMED FINISH CONCRETE.

GENERAL NOTES

- A. TRASH CONTAINERS, HANDICAP RAMPS, EXTERIOR BENCHES, PICNIC TABLES, PICNIC SHELTERS, WALKWAYS, SITE-LIGHTING, AND LANDSCAPING ARE WORK OF CONTRACT #1032-07-74.
- B. ROADWORK AND PARKING AREAS ARE WORK OF CONTRACT #1032-07-71.
- C. FOR EXTENT OF EARTHWORK, SEE SHEET SP-4.



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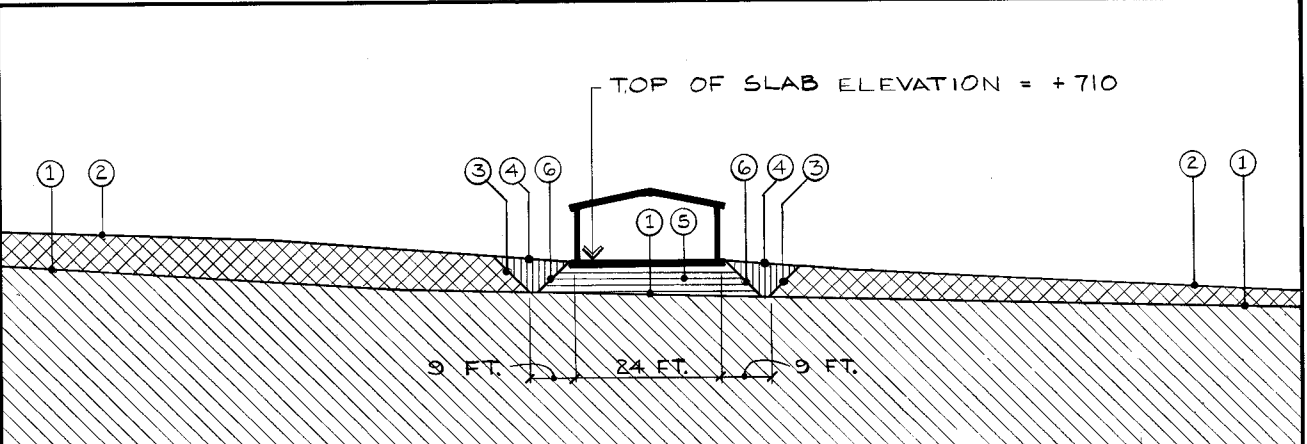
CONTOURS:

- (100).....
CONTOURS OF UNDISTURBED SOIL.
- 100 - - - - -
CONTOURS OF GRADING WORK AS OF COMPLETION OF ROAD WORK CONTRACT, # 1032-07-71. SEE ALSO NOTE (3).
- [100]-----
PROPOSED CONTOURS AS OF COMPLETION OF THIS CONTRACT, # 1032-07-73.

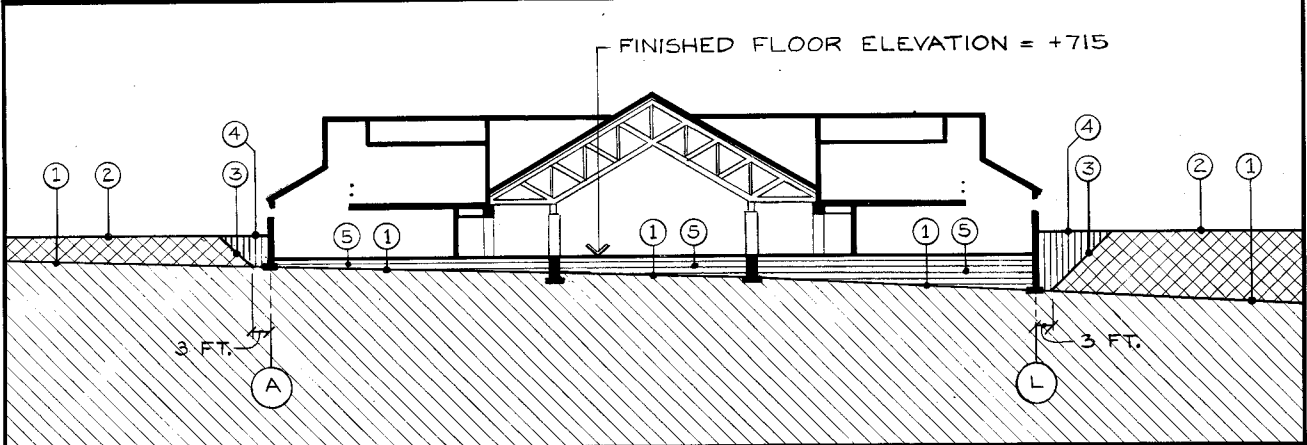
NOTES:

- (1) UNDISTURBED SOIL.
- (2) GRADES AS OF COMPLETION OF ROAD WORK CONTRACT, # 1032-07-71.
- (3) ONE IN ONE SLOPE AROUND ENTIRE PERIMETER OF BUILDING. (THIS IS NOT INDICATED ON GRADING PLAN FOR REASON OF GRAPHIC CLARITY.)
- (4) BACKFILL: WORK OF THIS CONTRACT, # 1032-07-73.
- (5) ENGINEERED FILL: WORK OF THIS CONTRACT, # 1032-07-73.
- (6) PROVIDE SLOPE OF ONE TO ONE FOR ENGINEERED FILL AT ENTIRE FOUNDATION PERIMETER.
- (7) SEE DETAIL 7/A20 FOR DRAIN TILE WORK

KEY

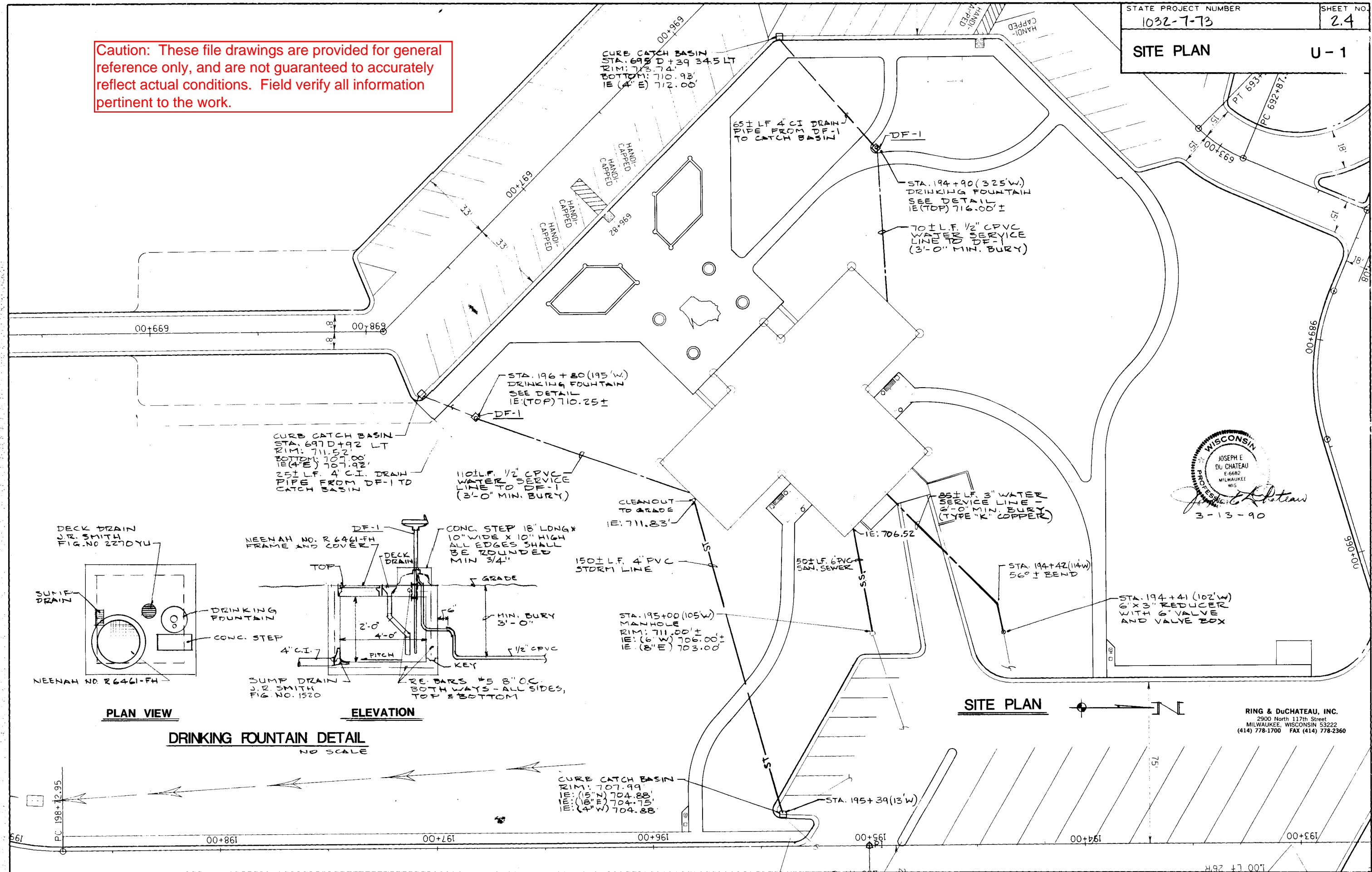


EARTHWORK SECTION DIAGRAM
REMOTE MAINTENANCE BUILDING



EARTHWORK SECTION DIAGRAM
WISCONSIN INFORMATION CENTER BUILDING

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WISCONSIN
JOSEPH E.
DU CHATEAU
E-6882
MILWAUKEE
WIS.
3-13-90

SITE PLAN

RING & DuCHATEAU, INC.
2900 North 117th Street
MILWAUKEE, WISCONSIN 53222
(414) 778-1700 FAX (414) 778-2360

INTERIOR WALL TYPES

- 1

3/8" CERAMIC WALL TILE THIN-SET ON ONE LAYER OF 1/2" TILE BACKER BOARD ON 3-5/8" GALVANIZED STEEL STUD FURRING 16" O.C. AND 3" EXTRUDED POLYSTYRENE BOARD INSULATION WITH VAPOR RETARDER INSTALLED ON THE INTERIOR SIDE OF THE STUDS.

(EXTEND WALL UP TO WINDOW SILL CONDITION 7'-0" A.F.F. AS INDICATED AT DETAIL 5/A17.)
- 2

ONE LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON 6" METAL STUD FURRING AT 2'-0" O.C. WITH 2" SPACE BETWEEN CONCRETE WALL AND STUDS AND 3" EXTRUDED POLYSTYRENE BOARD INSULATION WITH VAPOR RETARDER INSTALLED ON THE INTERIOR SIDE OF THE STUDS. TOTAL FURRING THICKNESS TO BE 8-5/8".

(EXTEND WALL UP TO WINDOW SILL CONDITION 7'-0" A.F.F. SIMILAR TO DETAIL 6/A17.)
- 3

ONE LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON 3-5/8" METAL STUD FURRING 2'-0" O.C. AND 3" EXTRUDED POLYSTYRENE BOARD INSULATION WITH VAPOR RETARDER INSTALLED ON THE INTERIOR SIDE OF THE STUDS.

(EXTEND WALL UP TO 7'-0" A.F.F. AS INDICATED AT DETAIL 6/A17.)
- 4

4-7/8" THICK WALL CONSTRUCTED OF ONE LAYER OF 5/8" GYPSUM BOARD ON ONE SIDE OF 3-5/8" METAL STUDS AT 2'-0" O.C. AND PLASTIC LAMINATE ON 1/2" PARTICLE BOARD ON OTHER SIDE.

(EXTEND WALL UP TO 8'-6" A.F.F. WITH WALL CAP AS INDICATED AT DETAIL 7/A24.)
- 5

5-1/4" THICK WALL CONSTRUCTED OF 3/8" CERAMIC WALL TILE THIN-SET ON ONE LAYER OF 1/2" TILE BACKER BOARD AT TOILET ROOM SIDE OF 3-5/8" METAL STUDS 1'-4" O.C AND 5/8" GYPSUM BOARD ON OTHER SIDE. INSTALL 2" ACOUSTICAL BATT INSULATION.

(EXTEND WALL UP TO 7'-0" A.F.F. AS INDICATED AT DETAIL 7/A17.)
- 6

5-1/4" THICK WALL CONSTRUCTED OF 3/8" CERAMIC WALL TILE THIN SET ON ONE LAYER OF 1/2" TILE BACKER BOARD AT TOILET ROOM SIDE OF 3-5/8" METAL STUDS 1'-4" O.C AND 5/8" GYPSUM BOARD ON OTHER SIDE. INSTALL 3-1/2" FIBERGLASS BATT INSULATION WITH VAPOR RETARDER ON INTERIOR SIDE OF THE STUDS.

(EXTEND WALL UP TO WINDOW SILL CONDITION 7'-0" A.F.F. SIMILAR TO DETAIL 7/A17.)
- 7

1'-2-3/4" THICK WALL CONSTRUCTED OF 3/8" CERAMIC WALL TILE THIN-SET ON ONE LAYER OF 1/2" TILE BACKER BOARD, ON TOILET ROOM SIDE, OVER TWO ROWS OF STAGGERED METAL STUDS 16" O.C. WITH 5/8" WATER-RESISTANT GYPSUM BOARD ON THE OTHER SIDE. TILE BACKER BOARD IS TO BE HELD FLUSH WITH THE FACE OF ADJACENT CONCRETE COLUMNS SO THAT THE TILE MAY BE LAID ON A CONTINUOUSLY FLAT SURFACE. INSTALL 2" ACOUSTICAL BATT INSULATION. SEE DETAIL 4/A21.

(EXTEND WALL UP TO 7'-0" ABOVE FINISHED FLOOR AS INDICATED ON DETAIL 4/A17.)
- 8

8-3/8" THICK WALL CONSTRUCTED OF 3/8" CERAMIC WALL TILE THIN SET ON EACH SIDE OF AN 8" NOMINAL (7-5/8") C.M.U. WALL.

(EXTEND WALL UP TO 7'-0" A.F.F. AS INDICATED AT DETAIL 8/A20.)
- 9

8" THICK WALL CONSTRUCTED OF VENEER PLASTER AND 3/8" CERAMIC WALL TILE THIN SET ON ONE SIDE OF AN 8" NOMINAL (7-5/8") C.M.U. WALL. REINFORCE AS INDICATED ON STRUCTURAL DRAWINGS.

(EXTEND WALL TO UP TO 17'-0" A.F.F. AS INDICATED AT DETAIL 1/A14.)

- 10

ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE OF 3-5/8" METAL STUDS 2'-0" O.C. WITH 2" ACOUSTICAL BATT INSULATION.

(EXTEND WALL UP TO WITHIN 1" OF BOTTOM CHORD OF TRUSS AS INDICATED AT DETAIL 3/A9. LAY ACOUSTICAL BATT ON CEILING FOR 3'-0" EACH SIDE OF WALL.)
- 11

ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE OF 3-5/8" METAL STUDS AT 2'-0" O.C.

(EXTEND WALL UP TO WITHIN 1" OF BOTTOM CHORD OF TRUSS AS INDICATED AT DETAIL 3/A9.)
- 12

ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE OF 3-5/8" METAL STUDS 2'-0" O.C. AND 3-1/2" THERMAL BATT INSULATION WITH VAPOR RETARDER INSTALLED ON THE INTERIOR SIDE OF THE STUDS.

(EXTEND WALL UP TO 7'-0" A.F.F. FOR SILL OF WINDOW AS INDICATED AT DETAIL 8/A17.)
- 13

TWO LAYERS OF 5/8" TYPE "X" GYPSUM BOARD EACH SIDE OF 3-5/8" METAL STUDS AT 2'-0" O.C. (2-HR. WALL CONSTRUCTION).
- 14

5-1/8" THICK WALL CONSTRUCTED OF ONE LAYER OF 5/8" GYPSUM BOARD ON STORAGE ROOM SIDE OF 3-5/8" METAL STUDS 16" O.C. AND 3/8" CERAMIC WALL TILE THIN-SET ON ONE LAYER OF 1/2" TILE BACKER BOARD ON OTHER SIDE. INSTALL 2" ACOUSTICAL BATT INSULATION. (REFER TO DETAIL 4/A18 FOR EXTENT OF WALL TILE, BACKER BOARD, AND DETAIL AT CEILING.)
- 15

8" THICK WALL CONSTRUCTED OF 6" NOMINAL (5-5/8") C.M.U. WITH 2X FURRING INSTALLED FLAT 1'-4" O.C. (BY SECTION 06100) WITH PLASTIC LAMINATE CLAD 3/4" PARTICLE BOARD (BY SECTION 06400). SEE DETAILS ON SHEET A-26.
- 16

2' THICK WALL/COLUMN CONSTRUCTED OF PLASTIC LAMINATE CLAD PARTICLE BOARD (BY SECTION 06400) OVER 3-5/8" METAL STUDS (BY SECTION 09250). SEE DETAILS ON SHEET A-26.

GENERAL NOTES

1.

INDICATED DRAWING SCALES APPLY ONLY TO SETS OF DRAWINGS WHICH ARE REPRODUCED AT FULL SIZE. IF THE FORMAT SIZE OF THIS SET OF DRAWINGS IS 34" X 22", IT IS A FULL SIZE REPRODUCTION. IF THE FORMAT SIZE IS 17" X 11", IT IS A HALF SIZE REPRODUCTION.
2.

COORDINATE WORK OF THIS CONTRACT WITH WORK OF CONTRACTS 1032-07-71 AND 1032-07-74 AS REQUIRED.
3.

FOR ALL CONCRETE AND CONCRETE MASONRY WORK, REFER TO S-DRAWINGS FOR INDICATION OF REQUIRED REINFORCING STEEL.
4.

ALL CONTRACTOR'S THAT ARE INSTALLING WORK WHICH IS PREFINISHED, SHALL BE REQUIRED TO PERFORM TOUCH-UP WORK, AS REQUIRED BY ARCHITECT, TO RESTORE WORK DAMAGED BY DELIVERY OR INSTALLATION.
5.

ALL STRUCTURAL MEMBERS ABOVE GLASS IN ALUMINUM FRAMES SHALL BE ENGINEERED BY SUPPLIER TO LIMIT DEFLECTIONS TO 1/4" AT MIDSPAN.
6.

ALUMINUM CURTAINWALL FRAMING SHALL BE INSTALLED WITH THE HEAD JOINT SIZED TO ALLOW FOR DEFLECTIONS OF THE STRUCTURAL TRUSS ABOVE OF 1/4" AT MIDSPAN AS WELL AS THERMAL EXPANSION OF THE FRAMES.
7.

AS INDICATED ON DRAWINGS, PERIMETER STRUCTURAL GLUED LAMINATED TRUSSES ARE BOTH THE INTERNAL AND EXTERNAL COMPONENT OF THE BUILDING ENVELOPE. THEY PROVIDE RESISTANCE TO THERMAL TRANSFER AS WELL AS TO AIR AND MOISTURE INFILTRATION. SECTION 06170 CONTRACTOR SHALL CREATE JOINTS BETWEEN MEMBERS WHICH ARE ACCEPTABLE TO SECTION 07900 CONTRACTOR FOR SEALING, ESPECIALLY AT STEEL CONNECTORS.

BUILDING CODE INFORMATION

GOVERNING CODES:

WISCONSIN ADMINISTRATION CODE, DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS, 1989 EDITION.

OCCUPANCY:

CHAPTER ILHR 54

NUMBER OF STORIES:

ONE PLUS MECHANICAL EQUIPMENT MEZZANINES

AREA:

8,792 SQ. FT.

CONSTRUCTION TYPE:

WOOD FRAME UNPROTECTED (NO. 8)

BUILDING ELEMENTS	FIRE RESISTIVE CONSTRUCTION AS REQUIRED BY CODE
COLUMNS	0 HR.
FLOOR FRAMING	0 HR.
ROOF FRAMING	0 HR.
BEARING WALLS	0 HR.
PARTITIONS	0 HR.

THIS BUILDING WILL NOT BE SPRINKLERED.

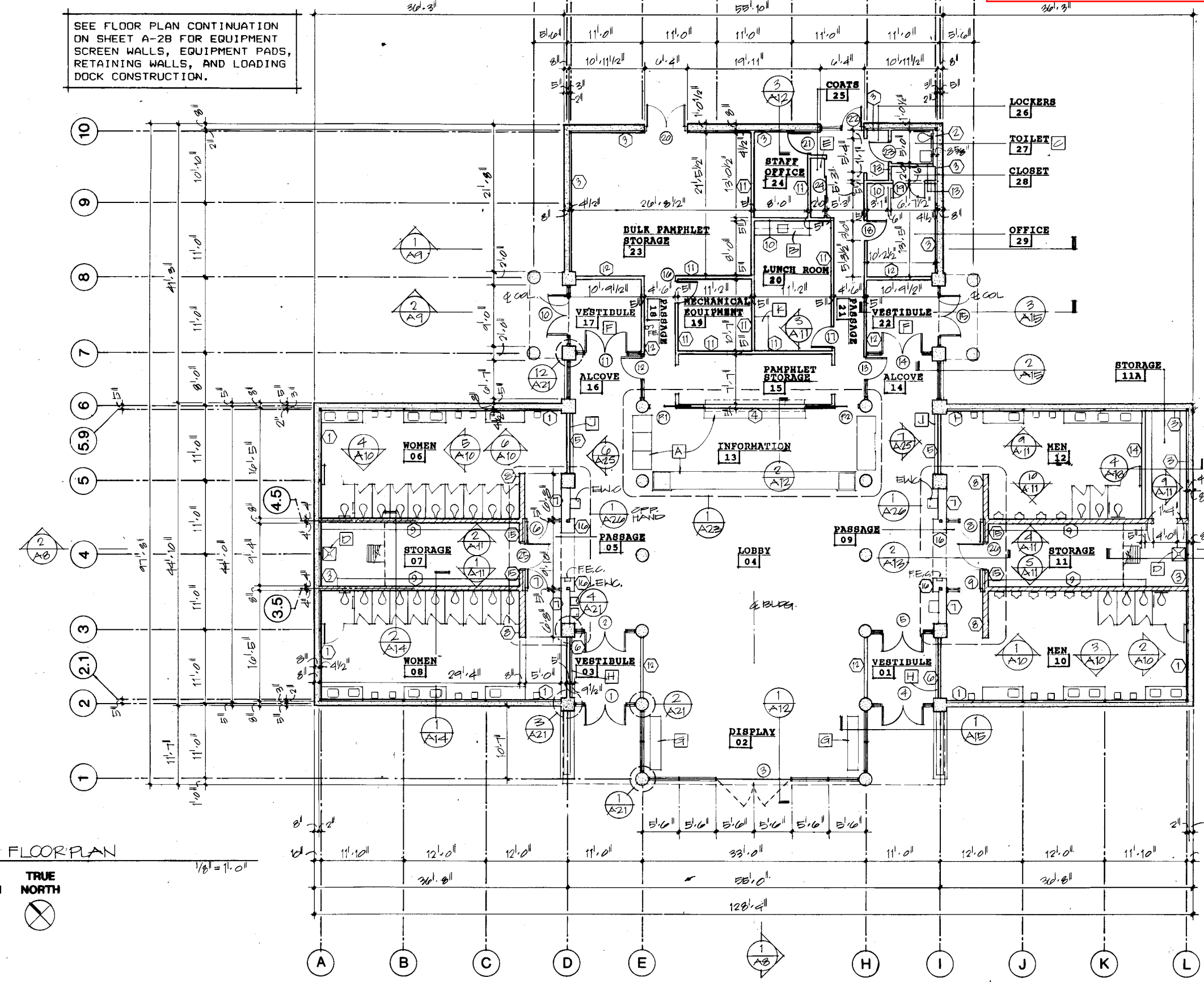
Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.

Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.

NOTE:
SECTION 03310 CONTRACTOR SHALL STUDY ALL DRAWINGS FOR EXTENT OF REVEALS, ACCOMMODATION OF INTERSECTIONS WITH ALUMINUM FRAMING, TOP OF WALL AND COLUMN CONDITIONS INCLUDING INFILL DETAILS, AND ACCOMMODATION OF STONE TRIM INSERTS.

STATE PROJECT NUMBER	SHEET NO.
1032-07-73	2.6
FLOOR PLAN	
A-2	

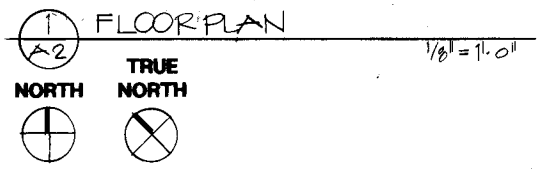
SEE FLOOR PLAN CONTINUATION ON SHEET A-28 FOR EQUIPMENT SCREEN WALLS, EQUIPMENT PADS, RETAINING WALLS, AND LOADING DOCK CONSTRUCTION.



GENERAL NOTES

- FINISH FLOOR ELEVATION:**
SITE DATUM.....715'-0"
ARCHITECTURAL AND STRUCTURAL DATUM....100'-0"
- PLANS FOR MECHANICAL MEZZANINES:**
MEZZANINES WHICH OCCUR ABOVE STORAGE ROOMS #07 & #11, ARE INDICATED ON DRAWING SHEET A-3, "TILE PLAN, MEZZANINE PLANS."
- FLOOR TILE LAYOUT,** IS INDICATED ON DRAWING SHEET A-3, "TILE PLAN, MEZZANINE PLANS."
- ROOM FINISHES,** ARE SCHEDULED IN THE SPECIFICATIONS MANUAL AT THE END OF DIVISION 9.
- DOOR TYPES,** DESIGNATED BY NUMERALS IN CIRCLES, ARE SCHEDULED ON DRAWING SHEET A-5, "DOOR SCHEDULE." FRAME TYPES & DOOR TYPES, REFERENCED BY DOOR DESIGNATION, ARE ALSO SCHEDULED ON DRAWING SHEET A-5. HARDWARE SETS REFERENCED BY THE DOOR SCHEDULE CAN BE FOUND IN THE SPECIFICATIONS AT THE END OF SECTION 08710.
- INTERIOR WALL TYPES,** DESIGNATED BY NUMERALS IN HEXAGONS, ARE SCHEDULED ON DRAWING SHEET A-1, "GENERAL INFORMATION."
- KEYED NOTES,** DESIGNATED BY LETTERS IN SQUARES, ARE SCHEDULED HERE:
KEYED NOTES

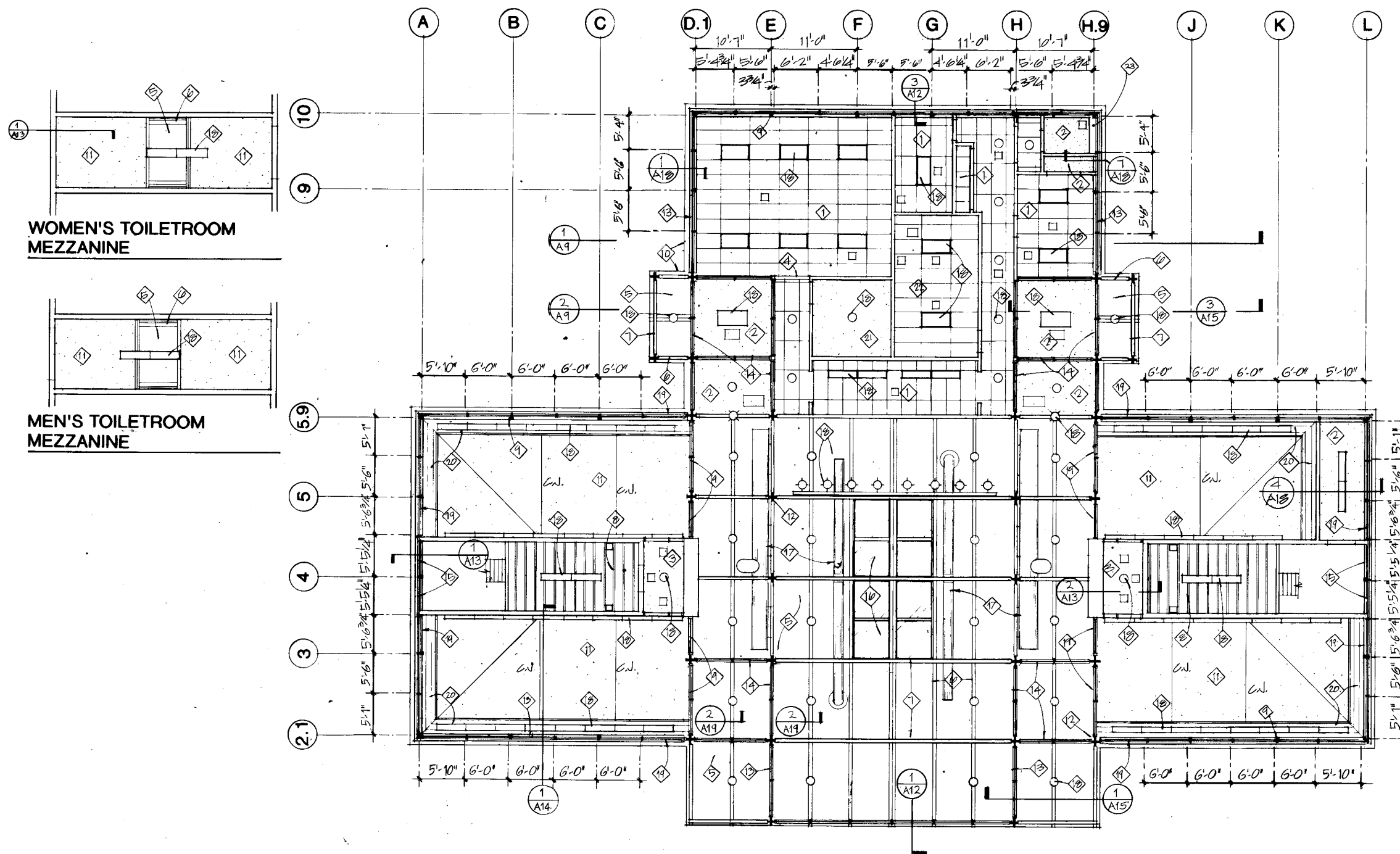
- A** DETAILS OF MILLWORK FOR INFORMATION DESK #13 IS ON DRAWING SHEET A-23, "INFORMATION DESK MILLWORK".
- B** AN INTERIOR ELEVATION OF THE CABINETRY OF LUNCH ROOM #20 IS ON DRAWING SHEET A-9, "SERVICE WING CROSS SECTIONS".
- C** INTERIOR ELEVATIONS OF TOILET ROOM #27 ARE ON DRAWING SHEET A-10, DETAIL 7, "INTERIOR ELEVATIONS."
- D** SERVICE SINK (SEE PLUMBING DRAWINGS).
- E** PROVIDE AND INSTALL CLOSET SHELF AND POLE PER SPECIFICATION SECTIONS 06200 & 06400 FOR FULL LENGTH OF COAT CLOSET #25.
- F** GTE TELEPHONE OPERATIONS (608)-837-1814, SHALL PROVIDE AND INSTALL FIVE PUBLIC PAY TELEPHONES AND ENCLOSURES FOR EACH OF TWO VESTIBULES, #17 & #22. (THE TEN ENCLOSURES SHALL BE AS MANUFACTURED BY BENNER-NAWMAN INCORPORATED, MODEL BN6720 "SPEAKEASY", TYPE W-2.)
- G** PROVIDE AND INSTALL TWO 8'-0" LONG BENCHES PER SPECIFICATION SECTION 12755.
- H** MAP DISPLAY CASE - (1) EACH IN VESTIBULES 01, 03. SEE 6/A25. (2) MAP DISPLAY CASES REQUIRED.
- J** BROCHURE DISPLAY CASE - (1) EACH ADJACENT TO ALCOVE 14 AND 16. SEE 7/A25. (2) BROCHURE DISPLAY CASES REQUIRED.
- K** ELEVATIONS AND DETAILS OF THE WORKSTATION IN LUNCHROOM 20 ARE ON SHEET A-11 "INTERIOR ELEVATIONS".



[NOTE: CEILING PLAN SECTION CUT IS TAKEN AT HIGH WINDOWS AT FIRST FLOOR LEVEL.]

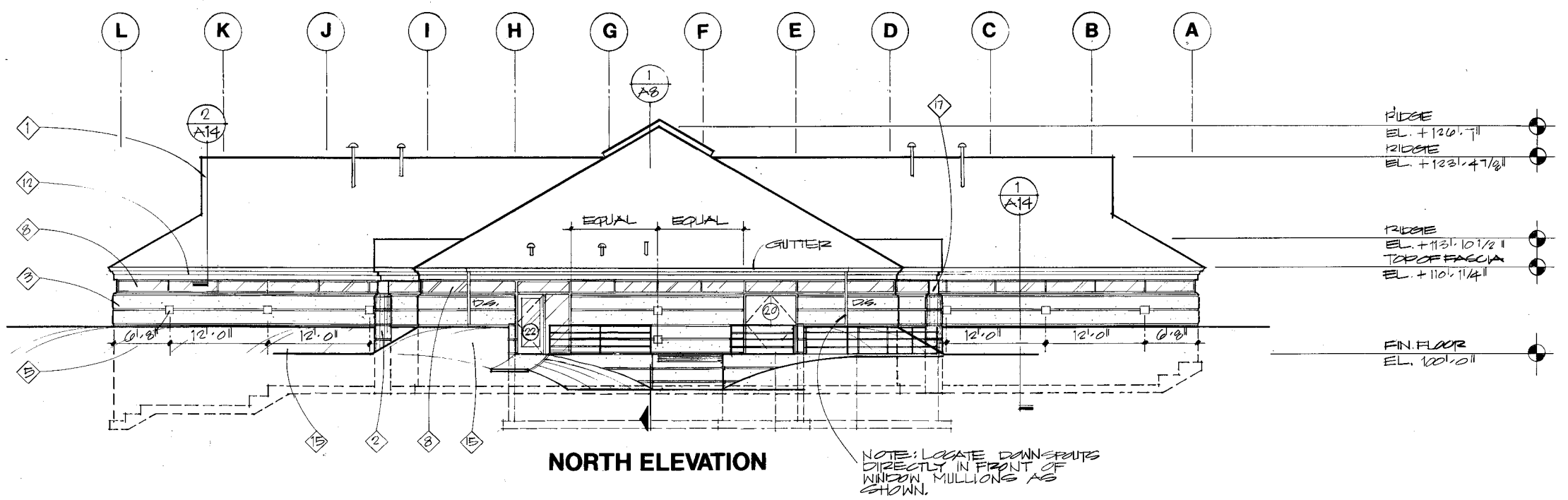
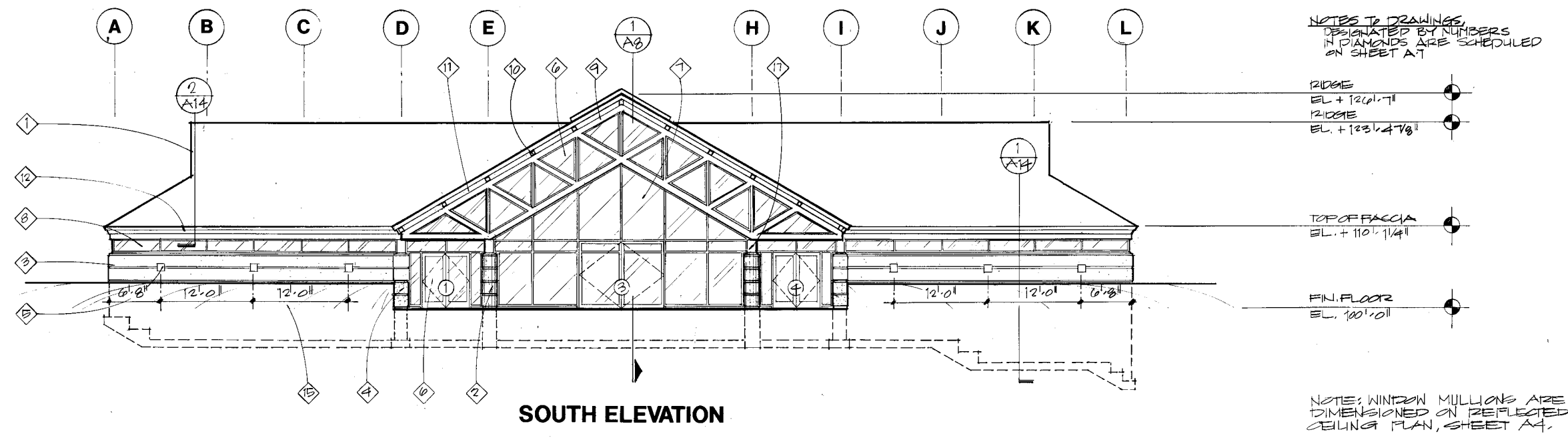
NOTES TO DRAWING

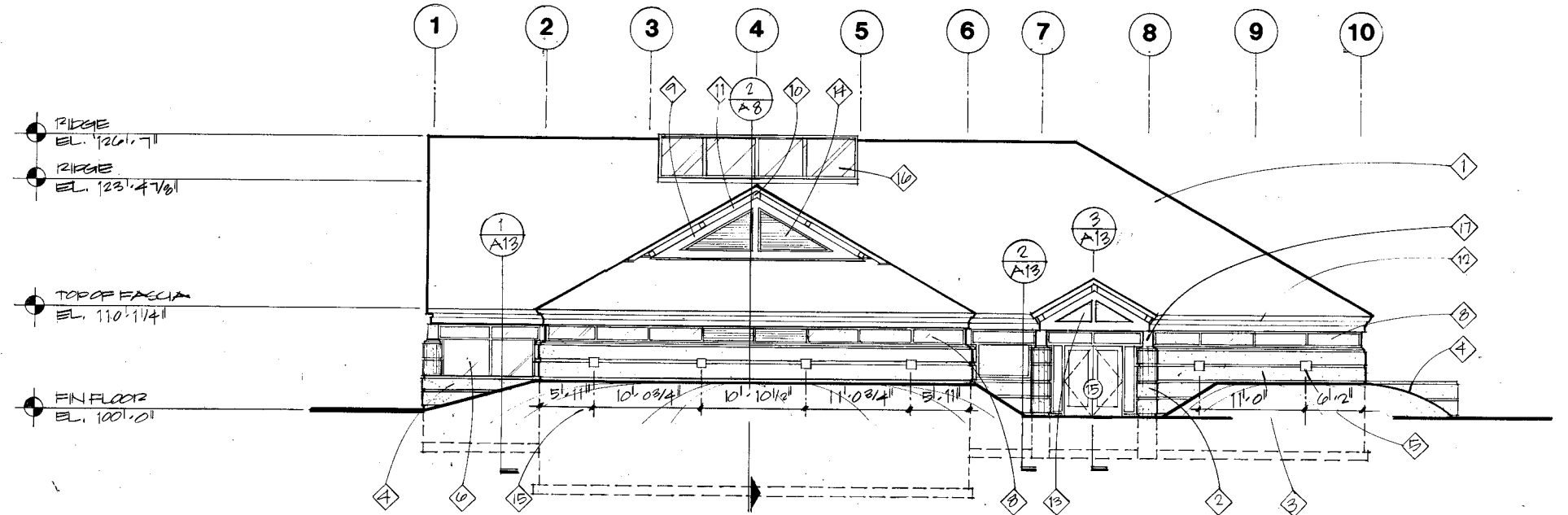
- 2' x 4' ACOUSTICAL CEILING TILE AT 8'-6" ABOVE FINISHED FLOOR.
- GYPSUM BOARD CEILING AT 8'-6" ABOVE FINISHED FLOOR.
- GYPSUM BOARD CEILING/SOFFIT AT 7'-2" ABOVE FINISHED FLOOR.
- GYPSUM BOARD HEADER AT 7'-2" ABOVE FINISHED FLOOR.
- EXPOSED WOOD DECKING.
- EXPOSED WOOD PURLINS.
- STRUCTURAL GLUED-LAMINATED TRUSSES.
- EXPOSED WOOD JOISTS.
- STEEL TUBE COLUMN - SEE STRUCTURAL DRAWINGS.
- WOOD FASCIA LINE.
- GYPSUM BOARD CEILING - SEE WALL AND BUILDING SECTIONS FOR CONFIGURATION.
- TILE CLAD MASONRY COLUMN CAPITAL.
- 1" COATED INSULATING GLASS IN BLACK ANODIZED ALUMINUM FRAMES.
- 1/4" CLEAR GLASS IN BLACK ANODIZED ALUMINUM FRAMES.
- ALUMINUM LOUVERS IN BLACK ANODIZED ALUMINUM FRAMES.
- SKYLIGHTS.
- PAINTED SPIRAL DUCTWORK.
- LIGHT FIXTURE. (SEE ELECTRICAL DRAWINGS.)
- 1/4" OBSCURING GLASS IN BLACK ANODIZED ALUMINUM FRAME.
- 1 x 6 V. GROOVE WOOD CEILING. SEE DETAIL 3/A18.
- GYPSUM BOARD CEILING AT 8'-0" ABOVE FINISHED FLOOR.
- 2' x 4' ACOUSTICAL CEILING TILE AT 8'-0" ABOVE FINISHED FLOOR.
- VENT STACK (PAINT BLACK)



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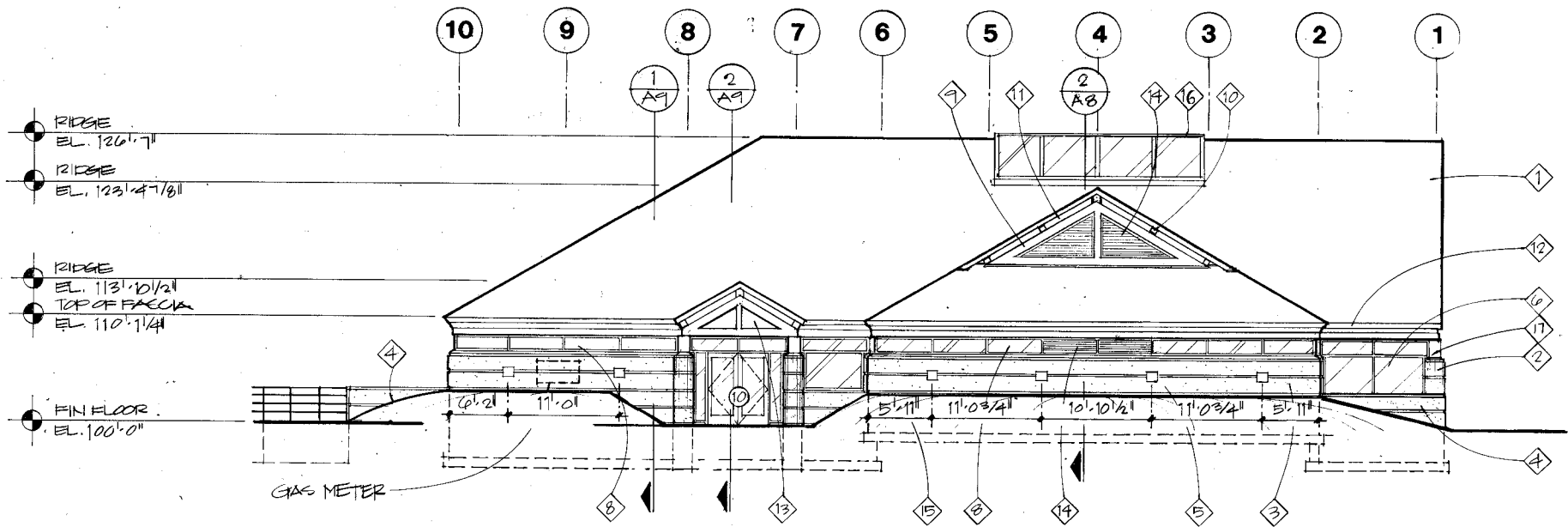
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EAST ELEVATION

WINDOW MULLION LOCATIONS ARE DIMENSIONED ON REFLECTED CEILING PLAN, SHEET A4.



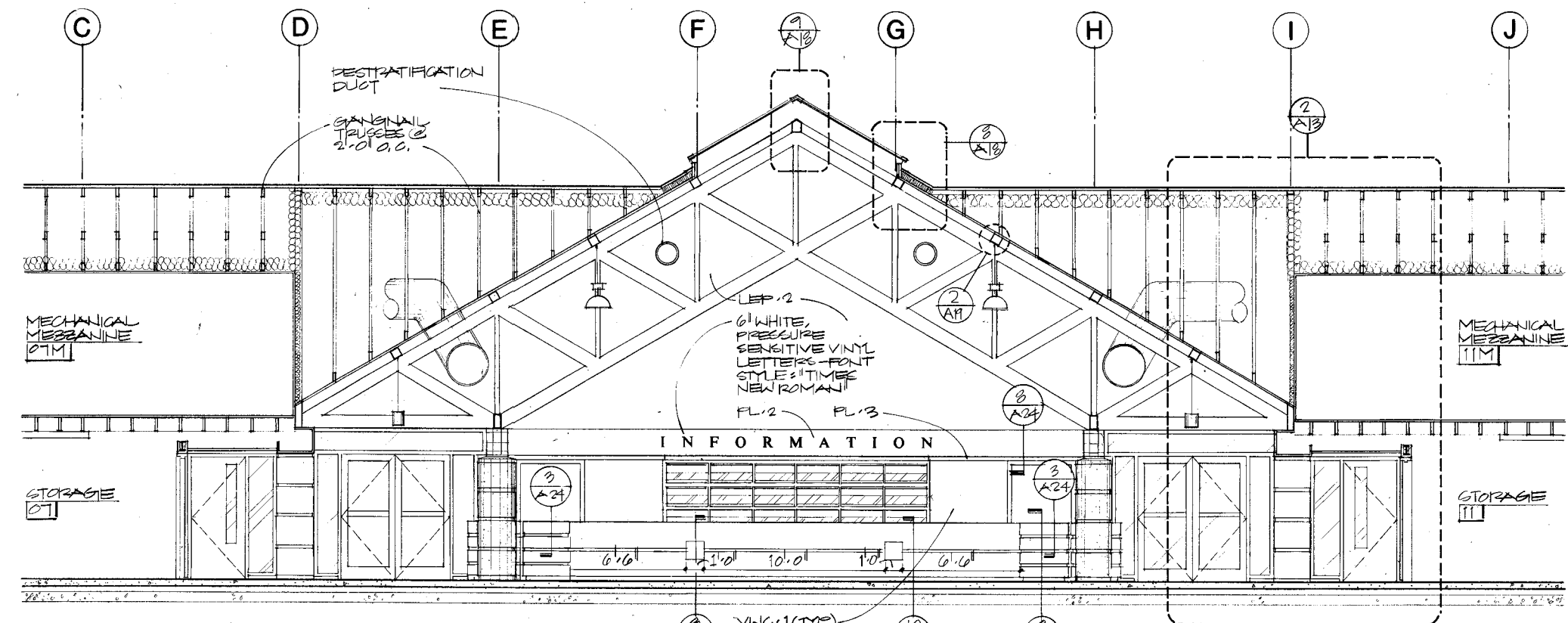
WEST ELEVATION

NOTES TO DRAWING

1. ASPHALT SHINGLE ROOFING.
2. CONCRETE COLUMNS WITH REVEALS.
3. CONCRETE WALL WITH REVEALS - SEE WALL SECTIONS.
4. CONCRETE RETAINING WALL WITH REVEALS. SEE SHEET A28.
5. DECORATIVE STONE TRIM INSERT - SEE DETAIL 5/A20.
6. 1" COATED INSULATING GLASS IN BLACK ANODIZED ALUMINUM FRAMES.
7. 1" COATED INSULATING GLASS IN BLACK ANODIZED ALUMINUM CURTAIN WALL FRAME.
8. 1" COATED OBSCURING INSULATING GLASS IN BLACK ANODIZED ALUMINUM FRAMES.
9. STRUCTURAL GLUED-LAMINATED TRUSS.
10. END OF EXPOSED GLUED-LAMINATED PURLIN.
11. INFILL CONDITION BETWEEN EACH PURLIN. SEE DETAIL 6/A19.
12. CEDAR FASCIAS AND FRIEZE BOARDS.
13. SOLID DECKING APPLIED HORIZONTALLY TO WALL.
14. PREFINISHED BLACK HVAC LOUVERS. (SEE DIVISION 15.)
15. EARTH BERM. (SEE SECTION 02200.)
16. SKYLIGHT. SEE DETAILS 8 & 9/A18 AND 7/A19.
17. TILE CLAD MASONRY COLUMN CAPITALS.

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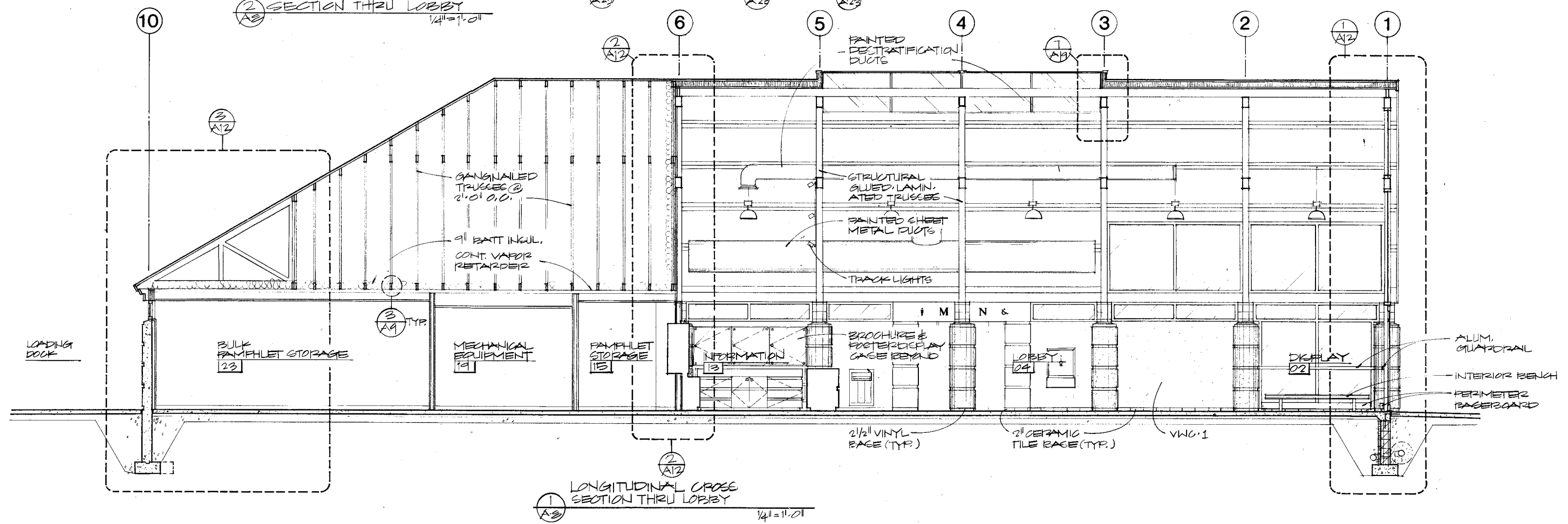
Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.



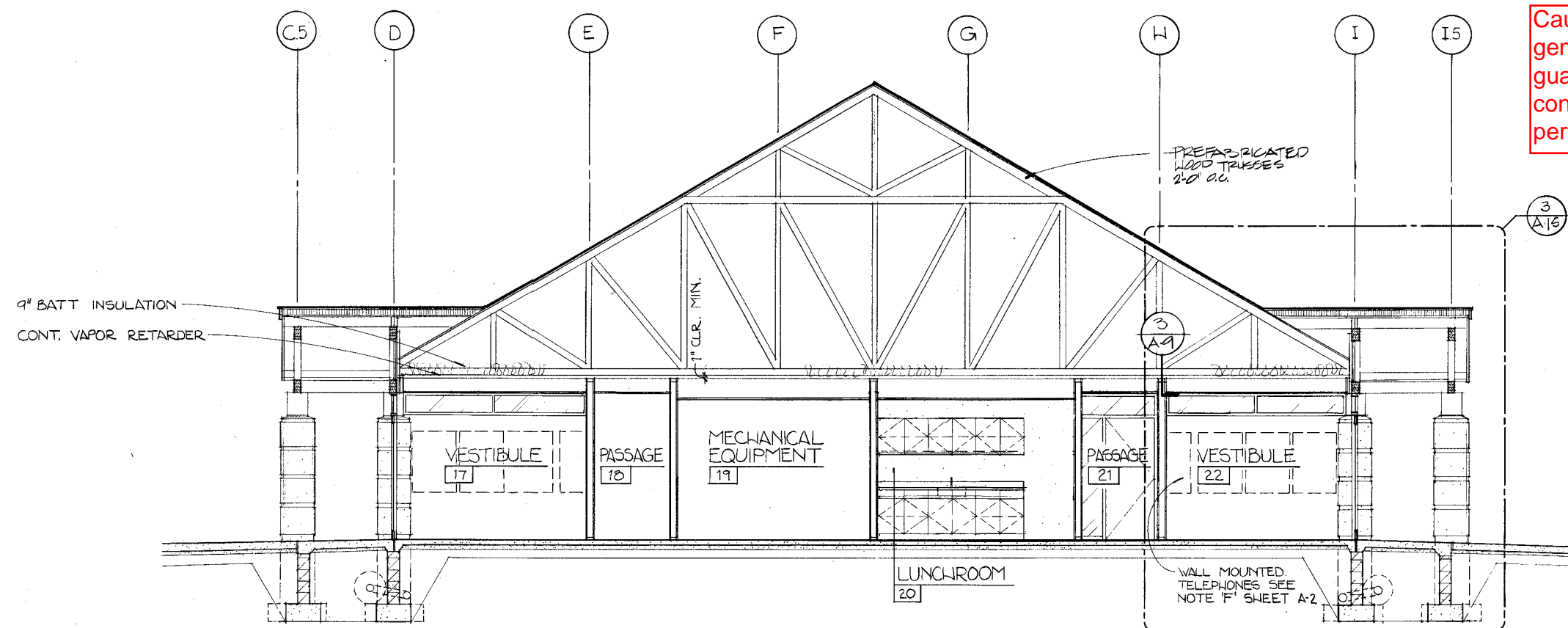
MEZZANINE CEILING
EL. 1171.0761

MEZZANINE FLOOR
EL. 1091.0341

FIN. FLOOR
EL. 1001.01

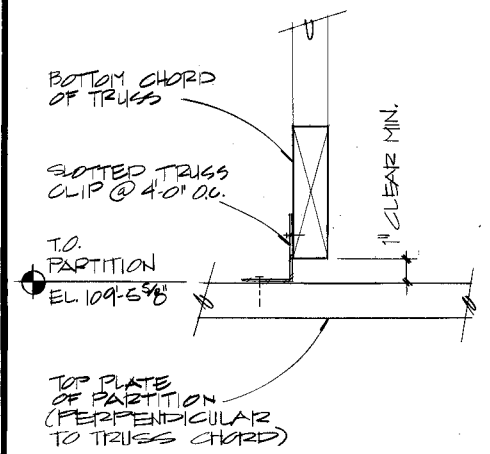


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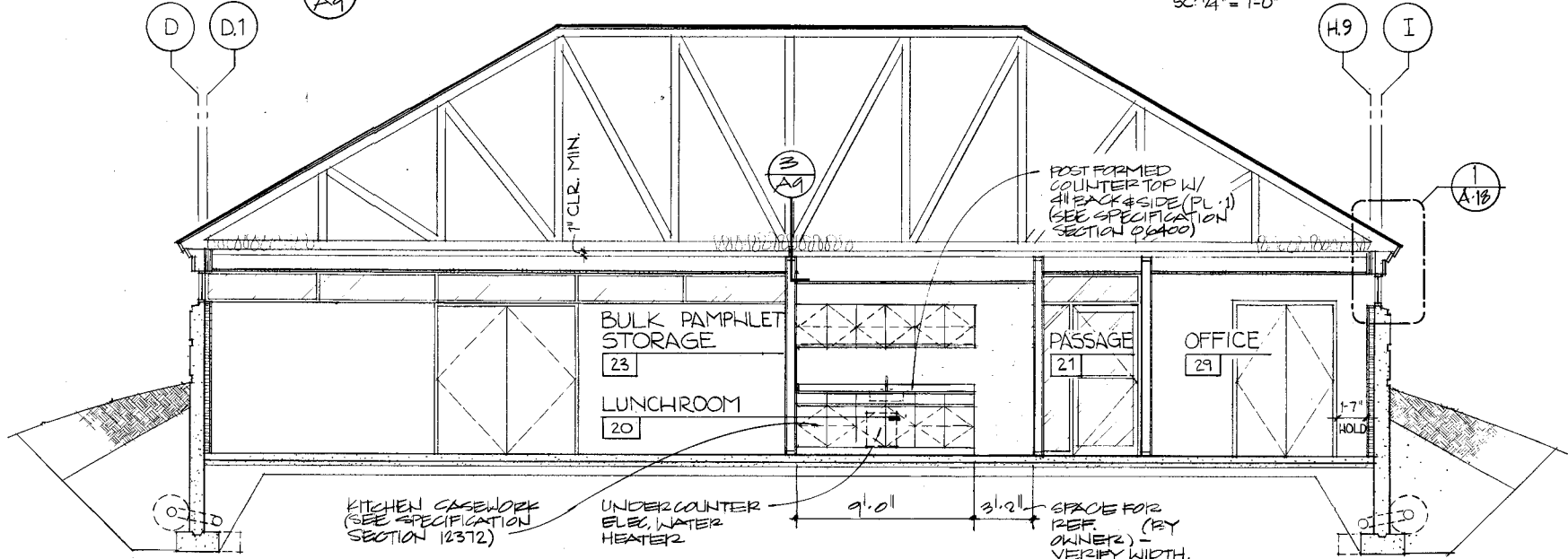
2 SERVICE WING CROSS SECTION @ VESTIBULES

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



3 TRUSS CLIP DETAIL

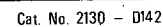
SC: 3/8" = 1'-0"



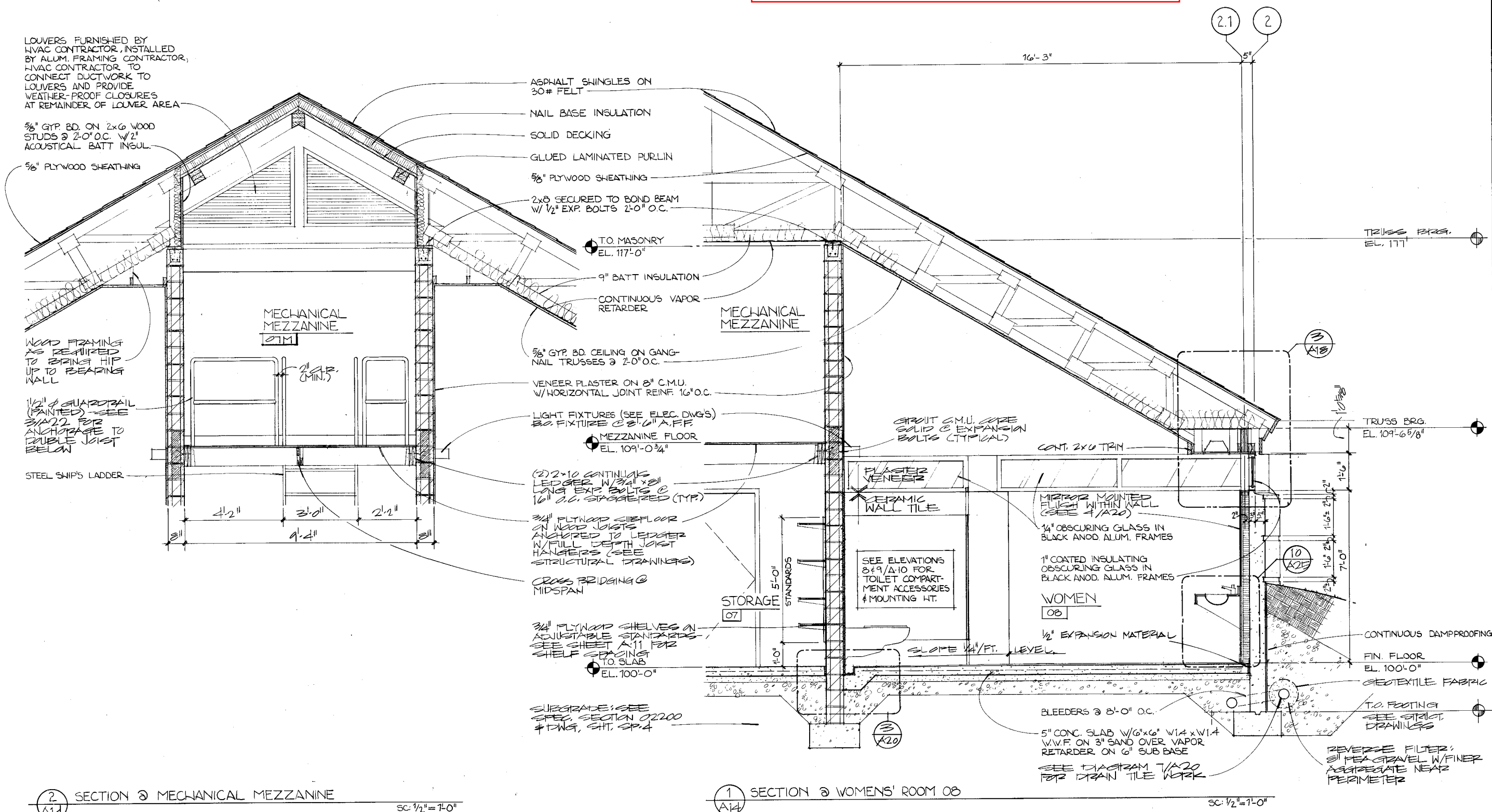
1 SERVICE WING CROSS SECTION

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

STATE PROJECT NUMBER	SHEET NO.
1032-07-73	216
SECTIONS THRU CURTAIN WALL, SERVICE WING	
A-12	



Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.

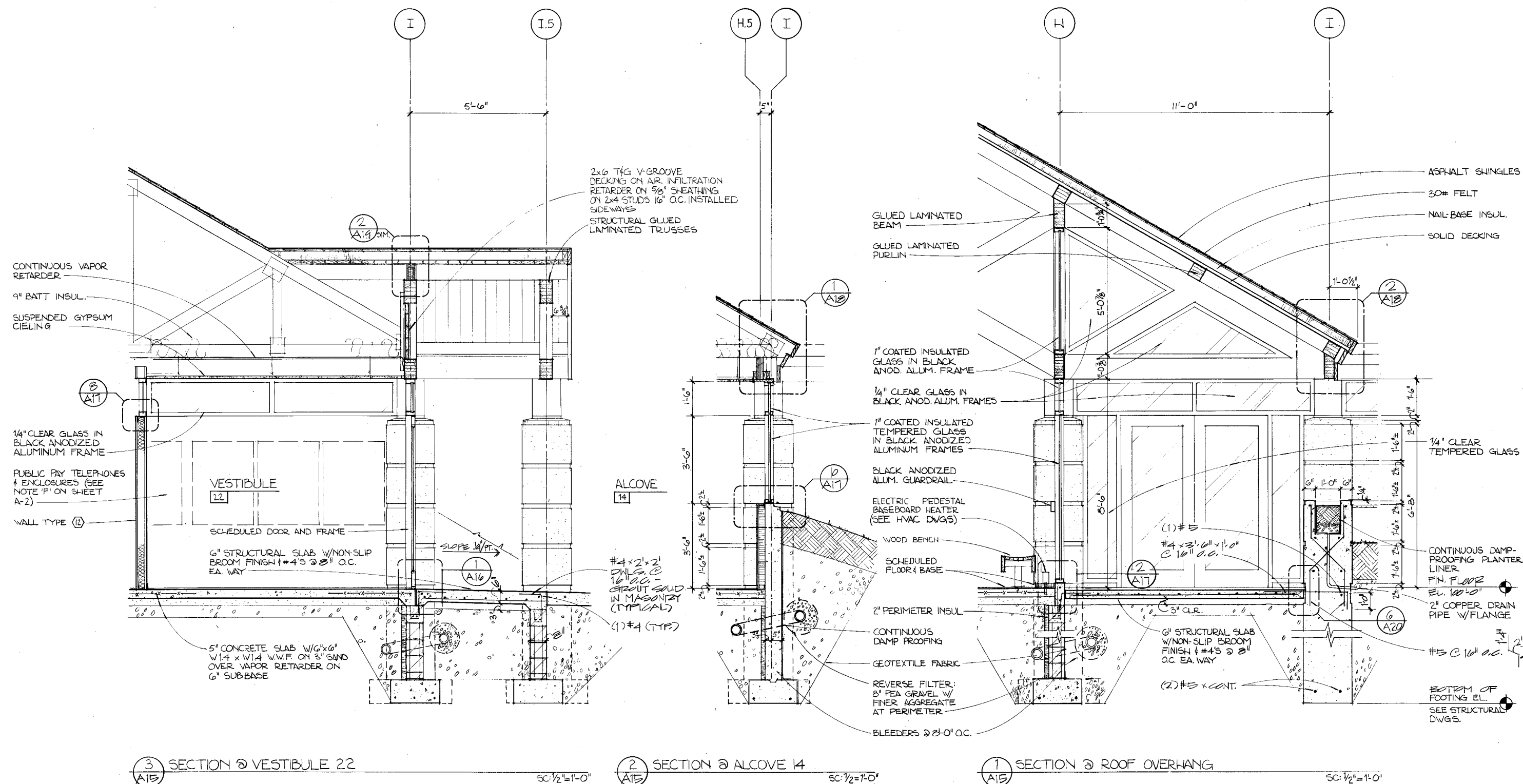


1032-07-73

2.19

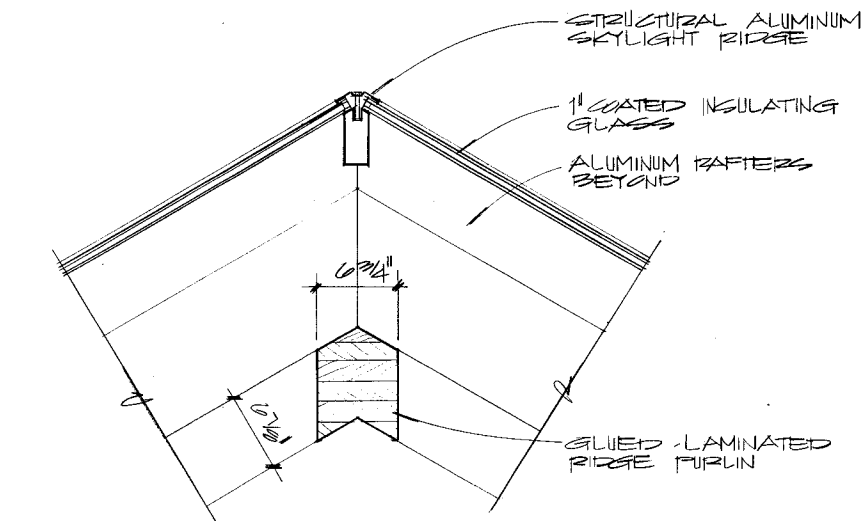
**SECTIONS @ ENTRY,
ALCOVE #14, VEST. #22 A-15**

Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.

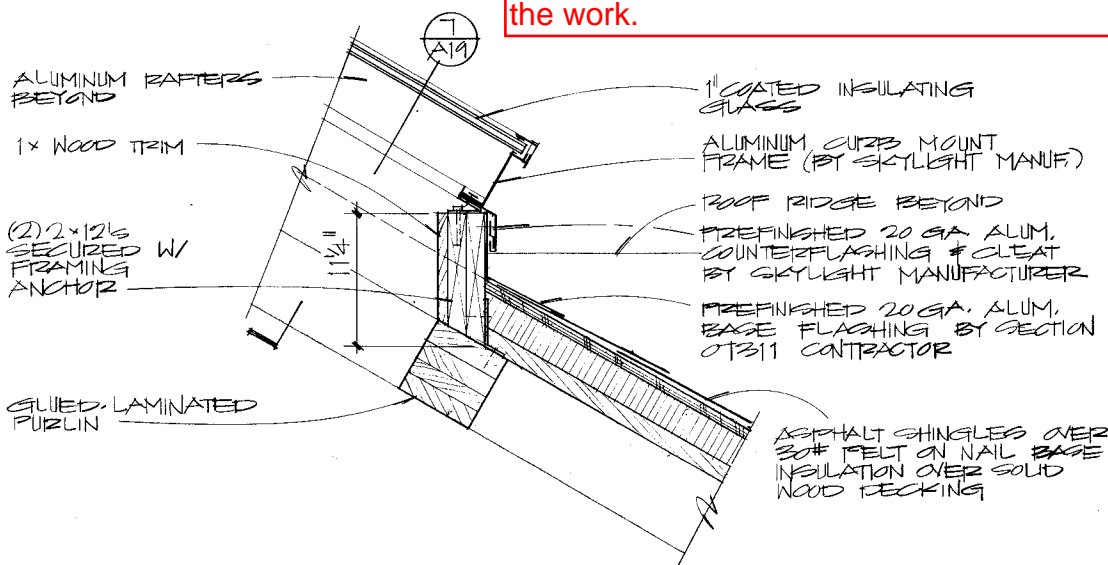


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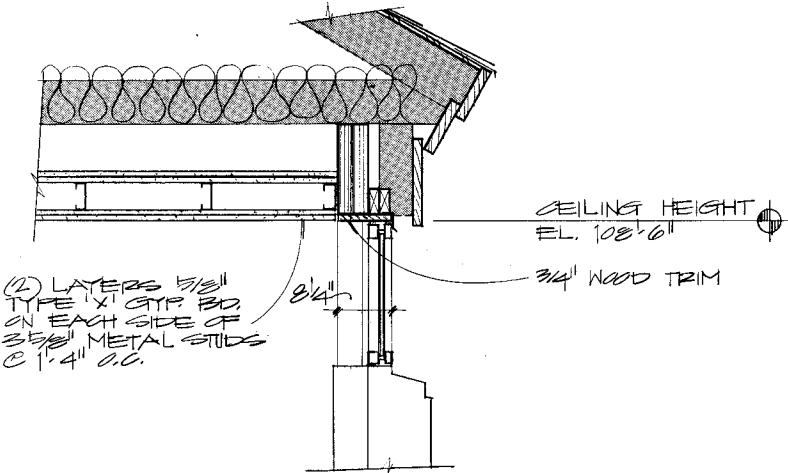
STATE PROJECT NUMBER	SHEET NO.
1032-07-73	2.22
SECTION DETAILS	
A-18	



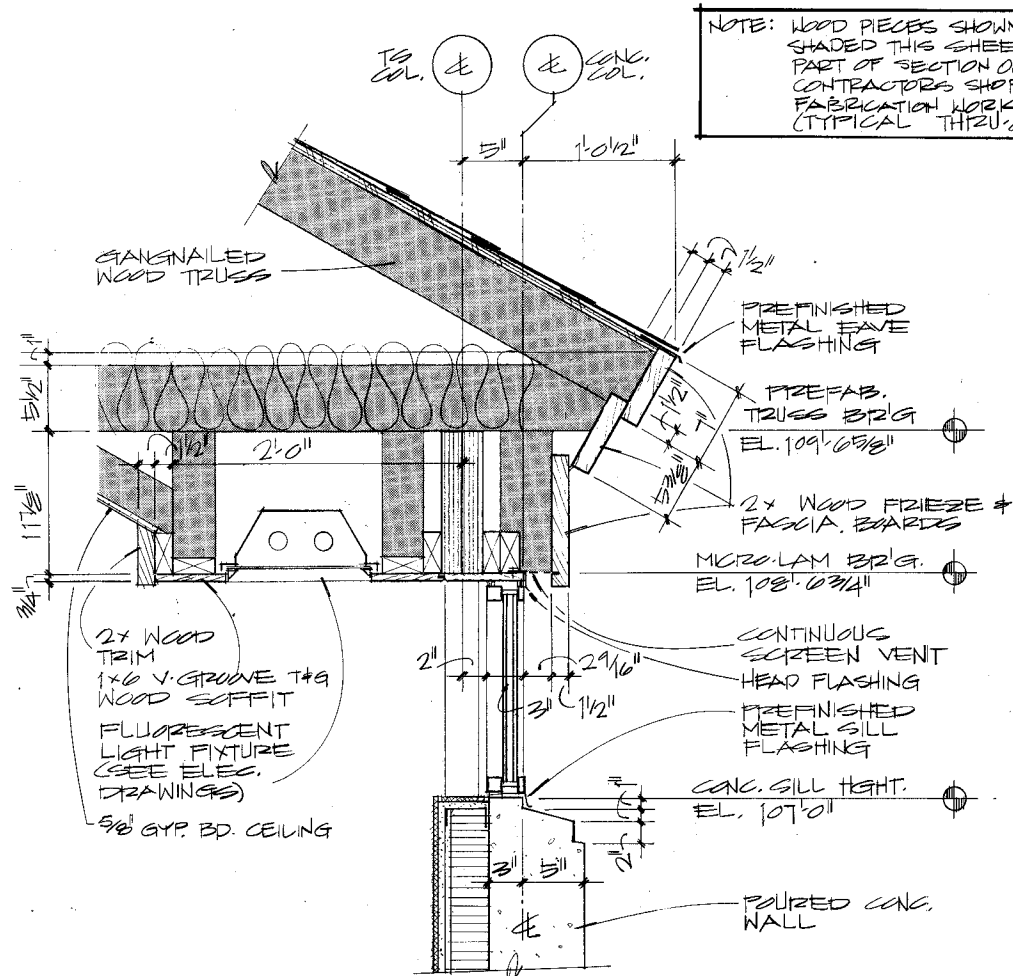
9 SKYLIGHT RIDGE DETAIL
SC: 1/2" = 1'-0"



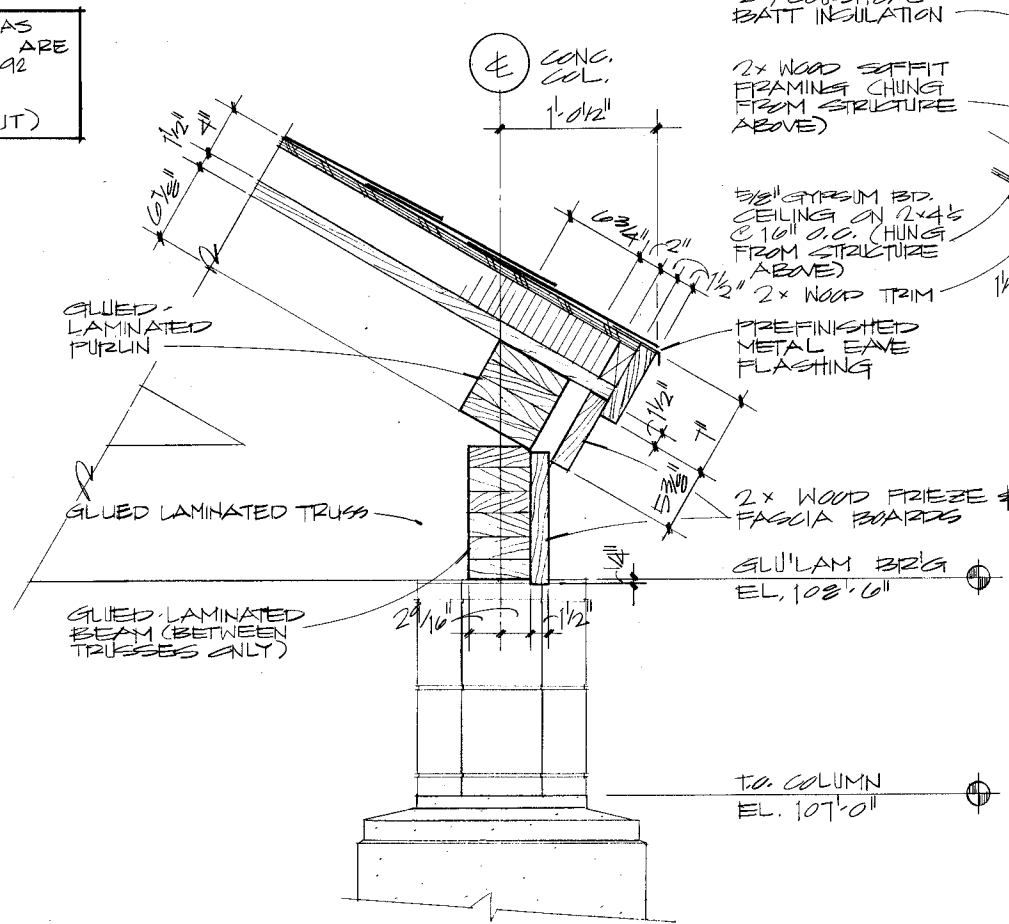
8 SKYLIGHT CURB DETAIL
SC: 1/2" = 1'-0"



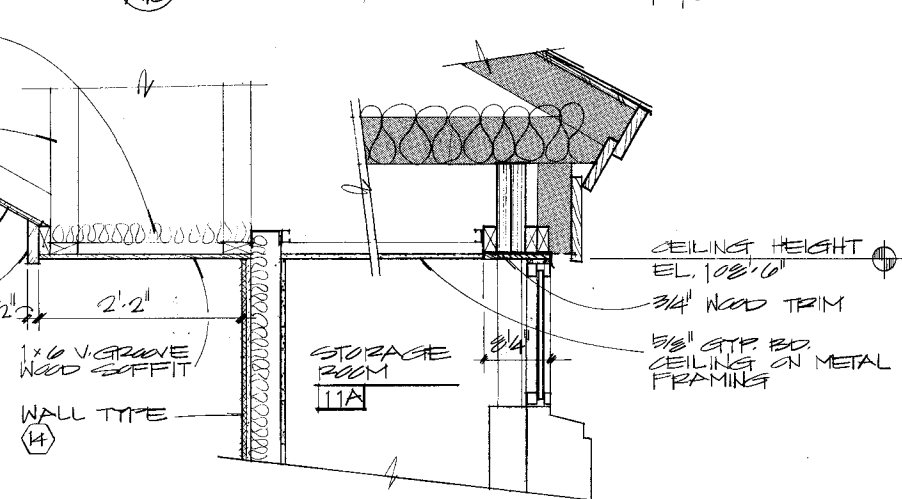
7 CLOSET 28 CEILING DETAIL
SC: 1/2" = 1'-0"



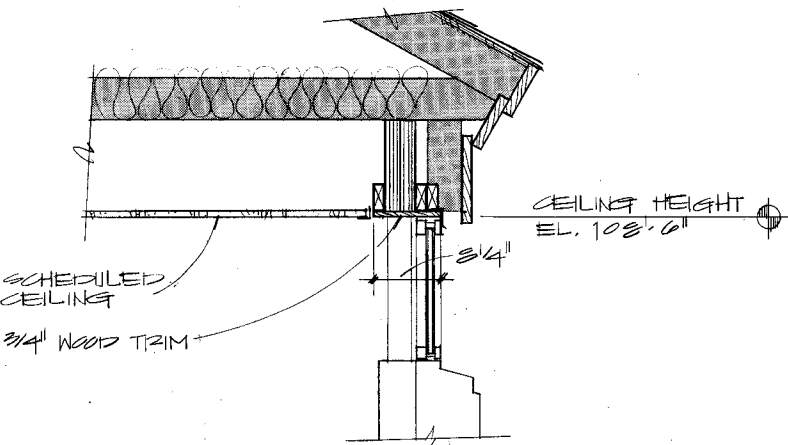
3 EAVE DETAIL @ TITROOMS, GANGNAILED TRUSSES
SC: 1/2" = 1'-0"



2 EAVE DETAIL @ GLUED-LAMINATED TRUSSES
SC: 1/2" = 1'-0"



4 STORAGE RM. 11A CEILING
SC: 1/2" = 1'-0"



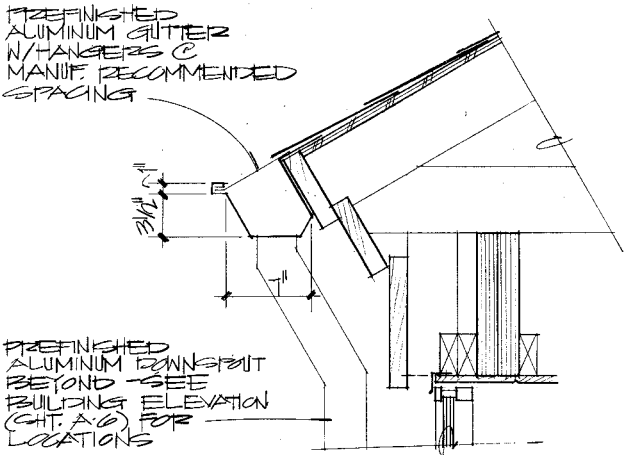
1 CEILING DETAIL @ SERVICE WING
SC: 1/2" = 1'-0"

NOTE: WOOD PIECES SHOWN AS SHADED THIS SHEET ARE PART OF SECTION 06192 CONTRACTORS SHOP FABRICATION WORK (TYPICAL THRU-OUT)

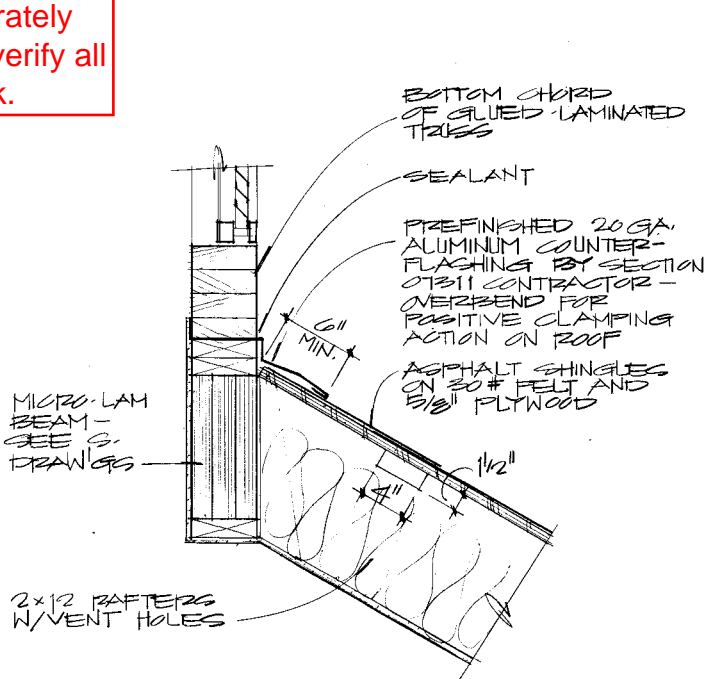
Caution: These file drawings are provided for general reference only, and are not guaranteed to accurately reflect actual conditions. Field verify all information pertinent to the work.

NOTE TO 07311 CONTRACTOR:

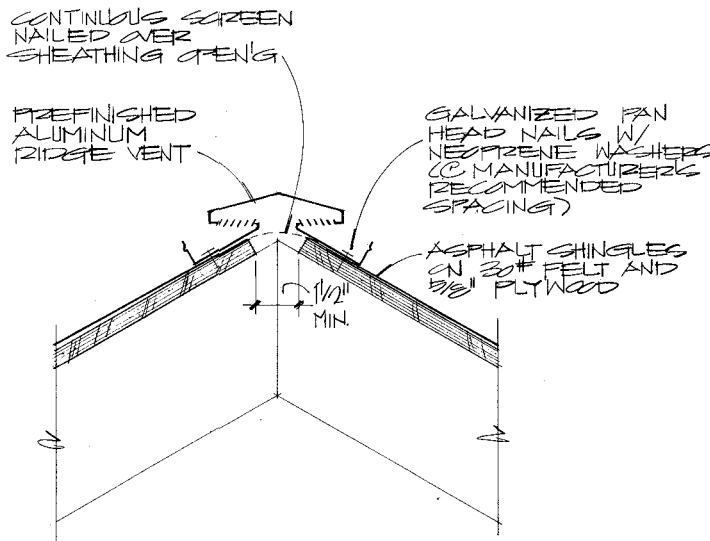
FLASHING AND SHEET METAL WORK INCLUDING METAL COUNTERFLASHING, CUSTOM RIDGE/HIP INTERSECTION WORK AT RIDGE VENTS, GUTTERS, AND DOWNSPOUTS IS WORK OF SECTION 07311 CONTRACTOR. (FOR METAL DRIP EDGE, SEE SPECIFICATIONS.) SUBMIT MANUFACTURER'S PRODUCT DATA INCLUDING STANDARD KYNAR FLUOROPOLYMER COLOR SAMPLES FOR SELECTION BY ARCHITECT. WORK IS TO BE SHOP-FABRICATED TO GREATEST EXTENT POSSIBLE AND SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SMACNA "ARCHITECTURAL SHEET METAL MANUAL". FABRICATE FOR WATERPROOF AND WEATHER-RESISTANT PERFORMANCE WITHOUT EXCESSIVE OIL-CANNING, BUCKLING, OR TOOL MARKS. ALL EXPOSED EDGES SHALL BE FOLDED BACK TO FORM HEMS. FORM ALUMINUM SEAMS WITH EPOXY SEAM SEALER; RIVET JOINTS FOR ADDITIONAL STRENGTH WHERE REQUIRED. PROVIDE FOR SEPARATION OF METAL FROM NON-COMPATIBLE METAL OR CORROSIVE SUBSTRATES BY COATING CONCEALED SURFACES WITH BITUMINOUS COATING. SUBMIT SHOP DRAWINGS TO ARCHITECT SHOWING LAYOUT, JOINING, PROFILES, AND ANCHORAGE OF FABRICATED WORK.



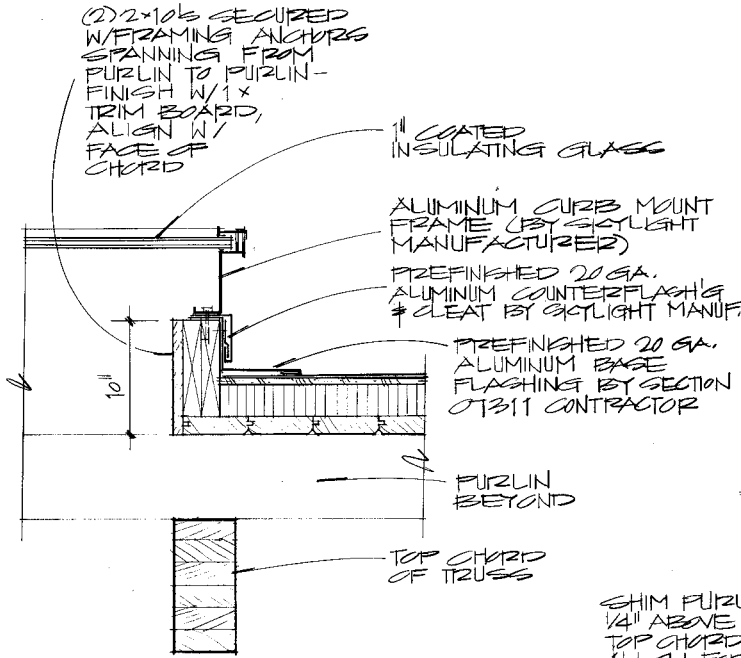
4 GUTTER DETAIL
1/2" = 1'-0"



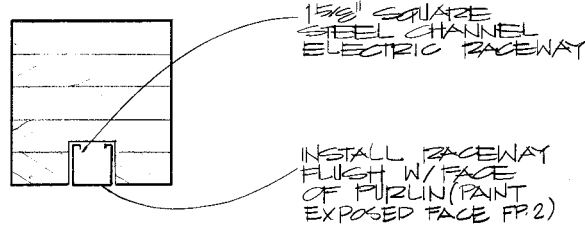
3 SECTION DETAIL
1/2" = 1'-0"



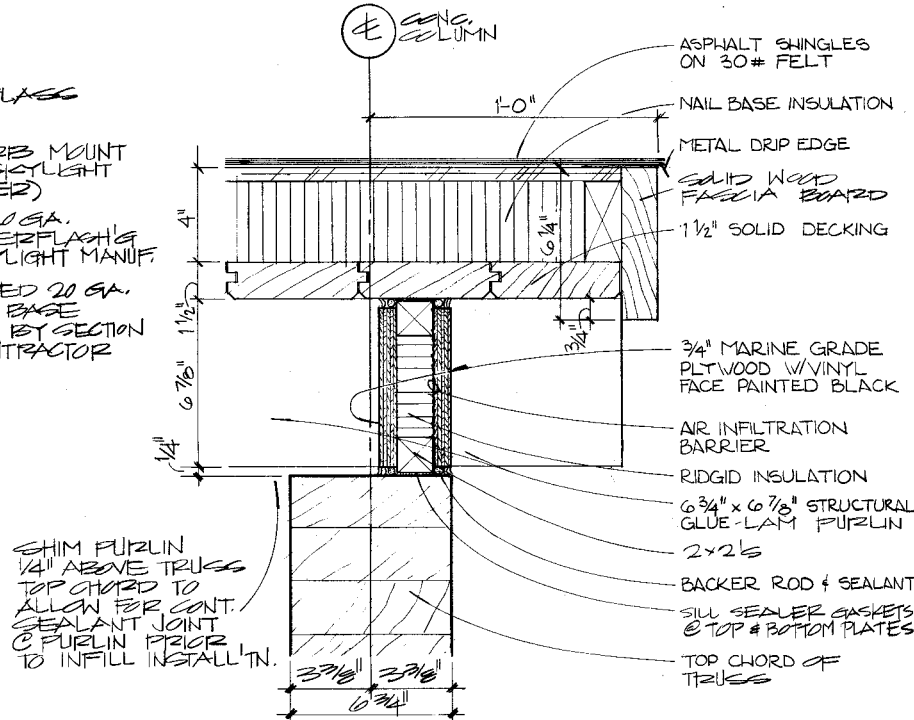
3 RIDGE VENT DETAIL
3/8" = 1'-0"



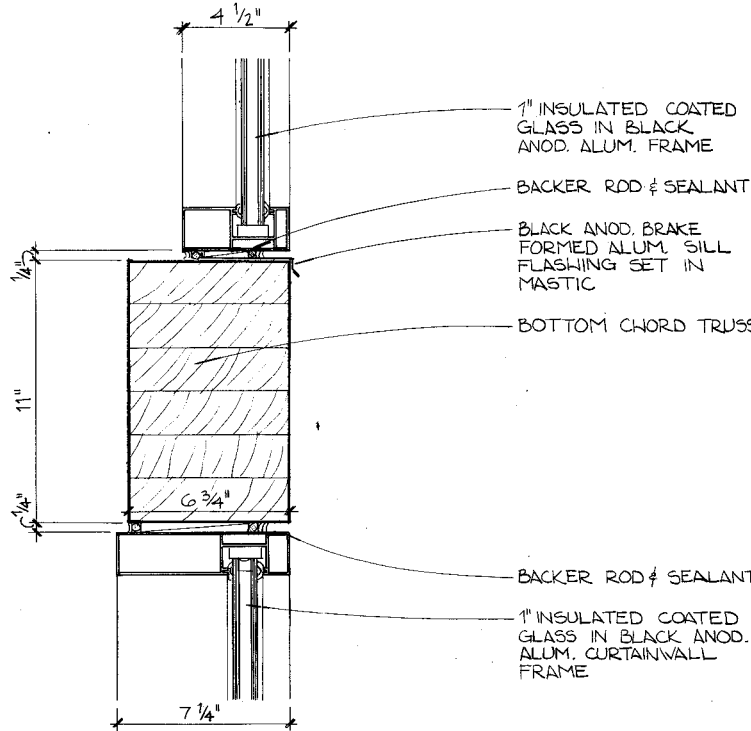
7 SKYLIGHT CURB DETAIL
1/2" = 1'-0"



2 ELEC. RACEWAY @ PURLINS
3/8" = 1'-0"

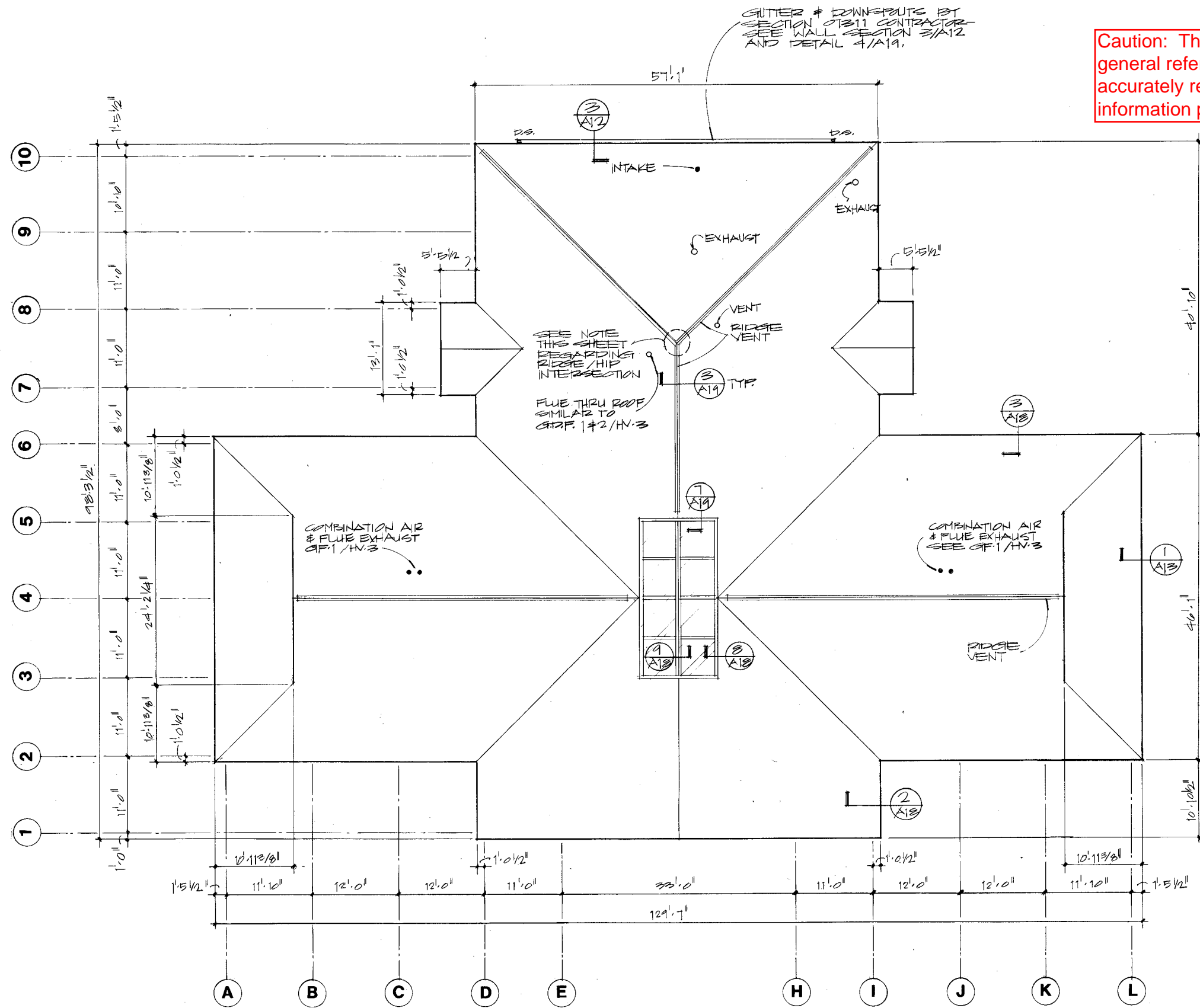


6 TYPICAL INFILL @ TRUSS TOP CHORDS
3/8" = 1'-0"



1 GLUED-LAMINATED TRUSS BOTTOM CHORD @ CURTAINWALL
3/8" = 1'-0"

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ROOFING CONTRACTOR NOTE:
SECTION 07311 CONTRACTOR SHALL FURNISH AND INSTALL PREFINISHED, CUSTOM FABRICATED, RIDGE VENT SHEET METAL @ RIDGE/HIP INTERSECTION. SEE ALSO NOTE @ SECTION 4/A19.

1 ROOF PLAN
A-27
1/8" = 1'-0"
PLAN NORTH TRUE NORTH

STATE PROJECT NUMBER	SHEET NO
1032 07 73	2.35
MEZZANINE LEVEL AND ROOF FRAMING PLAN	S-2

Caution: This drawing is for reference only. It does not reflect actual conditions. Only pertinent information is shown.

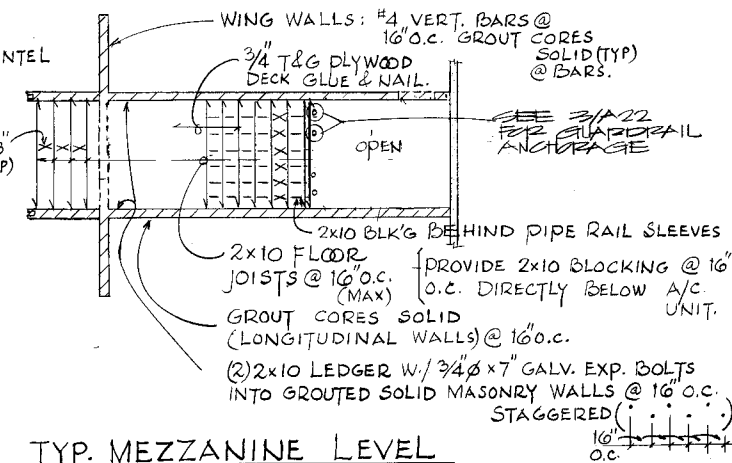
LOAD	EQUIPMENT + (40)	(34) SNOW DRIFT	-	(34) SNOW DRIFT
AD LOADS	(5)	(10)	(5)	(15)
AL	EQUIPMENT + (45)	(44) + SNOW DRIFT	(5)	(49) + SNOW DRIFT
ND	-	(20) P.S.F.		

ROOF FRAMING PLAN
SCALE: $\frac{1}{8}" = 1'-0"$

NOTE #1: 2x12 Laid on top of, glued and nail to $\frac{1}{2}"$ thick deck. TYP. BOTH SIDES.
* THERE IS NO PHYSICAL CONNECTION BETWEEN TRUSS 'T1' AND COL. 'C3'

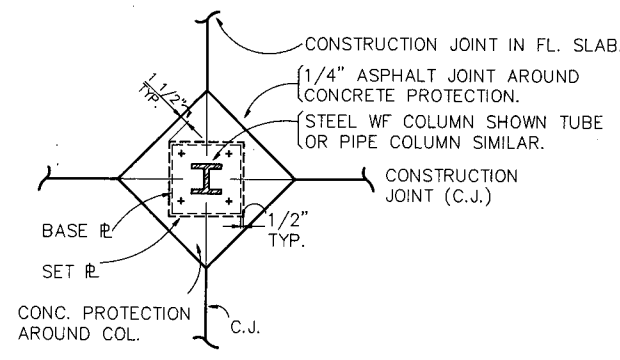
NOTE #2: W 8x18 + 5/16" I LINTEL FRAME INTO SIDE OF 'C1'. (4) REQ'D. BRG. EL. 107'-0"

NORTH TRUE NORTH ALL PLANS



TYP. MEZZANINE LEVEL
FRAMING PLAN
SCALE: 1/8" = 1'-0"

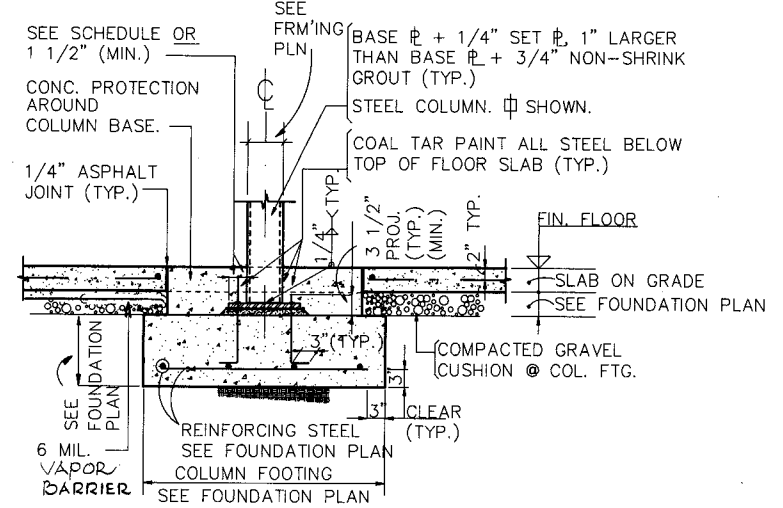
EAST MEZZANINE SHOWN. WEST MEZZANINE
SIMILAR & OPPOSITE.



SIMILAR DETAIL @ CONCRETE OR MASONRY COL.
USE W/ APPROPRIATE MODIFICATIONS.

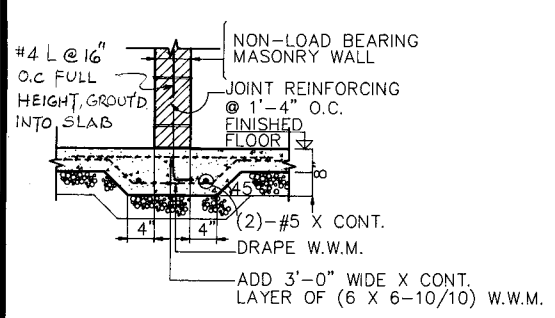
1 PLAN VIEW
S3 NO SCALE

NOTE: SIMILAR DETAIL AT \square OR \circ COLUMNS.
SIMILAR DETAIL @ CONCRETE COLUMN.

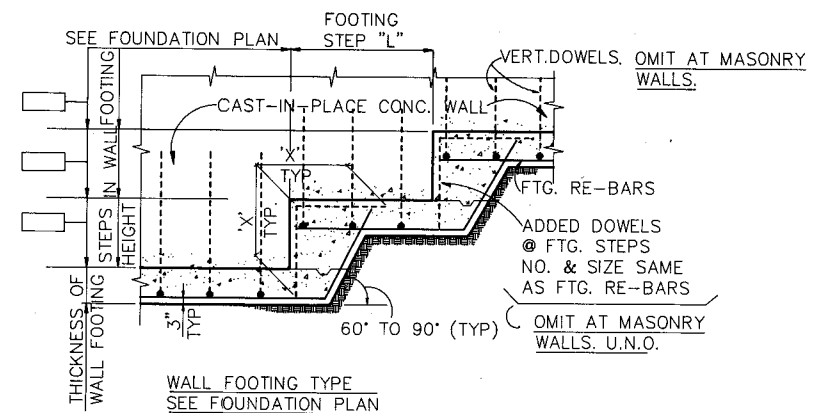


NOTE: SIMILAR DETAIL AT WF OR PIPE (\emptyset) COLUMNS.
SIMILAR DETAIL @ CONCRETE OR MASONRY COL.
USE W/ APPROPRIATE MODIFICATIONS.

4 TYP. COLUMN FOOTING DETAIL
S3 (INTERIOR COLUMN ONLY) NO SCALE

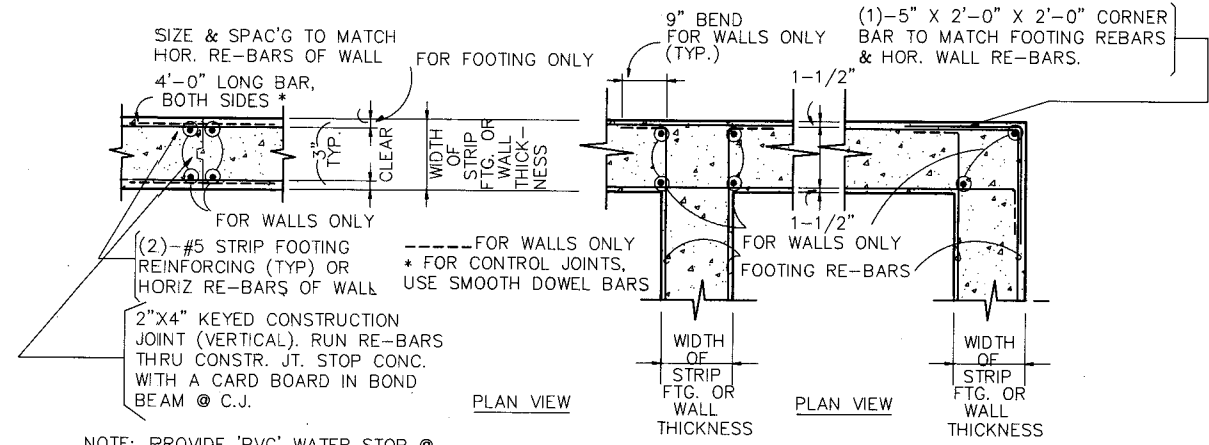


7 THICKENED SLAB @ NON-LOAD B'RG
S3 INT. MASONRY WALL NO SCALE



NOTE: SIMILAR DETAILS AT TRENCH FOOTINGS.
OMIT VERTICAL DOWELS AT MASONRY WALLS U.N.O.

2 DETAIL AT STEPS IN WALL FTG.
S3 NO SCALE



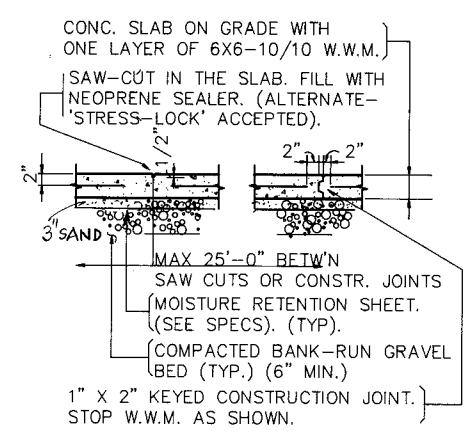
NOTE: PROVIDE 'PVC' WATER STOP @ EXTERIOR FACE WHEN NEEDED

5 TYP. CONSTR. JOINT IN WALL
S3 AND WALL FTG. NO SCALE

6 TYP. CORNER REINF. IN WALL
S3 AND WALL FTG. NO SCALE

NOTES FOR PREFABRICATED WOOD TRUSSES:

- All prefabricated wood trusses shall be designed for the applicable loads & span parameters by the truss contractor. DILHR requires shop drawings with engineering data for such trusses with a stamp and signature of a registered professional engineer from the State of Wisconsin. The following data for wood trusses must be followed for the design.
- Wood Truss Profile Data
- See framing plans for superimposed design loads.
- Truss spacing = (see framing plans)
- Live load deflection: $L/360$ or better
- Provide necessary temporary and permanent bracing/bridging for support of trusses. Follow appropriate erection procedures relative to number of trusses, erected temporary/permanent bracing/bridging based on prevailing weather conditions (wind, snow, ice, etc.). A/E shall not be responsible for any consequences for inadequate bracing/bridging.
- Contractor shall adequately guy and brace all structural components to maintain safety and alignment during all phases of construction. Such guying and bracing shall remain in place until the structure has reached adequate strength and is permanently braced.

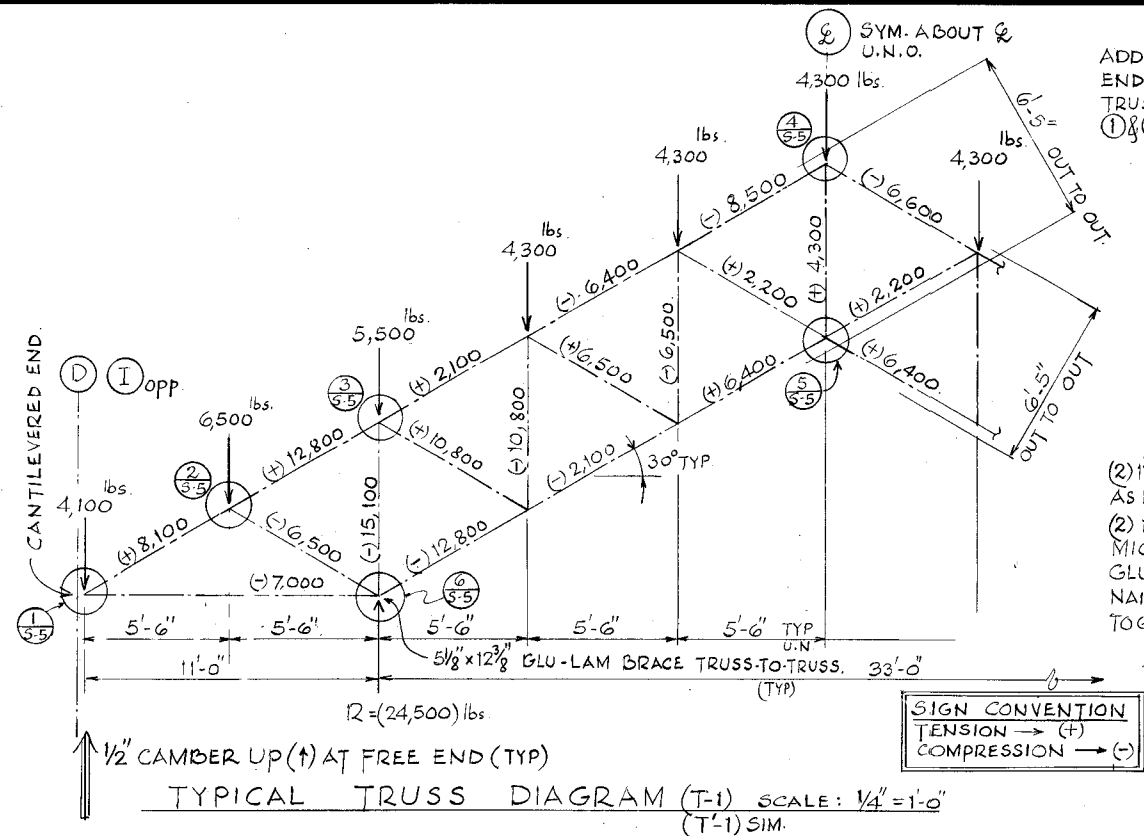


3 TYP. SAW-CUT & CONSTR. JT. IN
S3 FLOOR SLAB NO SCALE

STRUCTURAL NOTES AND SPECIFICATIONS (AS APPLIES) FOR THE ENTIRE PROJECT:

- Strength of Materials:
 - Concrete $f'_c = 4,000$ psi (air-entrained for exposed to weather concrete)
 - Re-bars $f_s = 24,000$ psi (Grade 60)
 - Masonry heavy aggregate concrete block below grade
 - Mortar Type 'S'
 - Structural and miscellaneous steel A36 U.N.O. (painted)*; tube and pipe sections 46 Ksi (painted)*
 - Connection bolts A325
 - Anchor bolts A307
 - * Steel encased in or in contact with masonry shall be painted with bituminous paint. Steel exposed to weather shall be prime painted with rust inhibitive paint.
 - Wood = 1,350 psi Douglas Fir #2 or better
 - Prefabricated structural wood (primarily in bending) (GLU-LAM)
 - $F_b = 2,400$ psi
 - $F_t = 1,600$ psi
 - $F_c = 1,500$ psi
 - $F_{c\perp} = 450$ psi (Tension face)
 - $F_{c\perp} = 385$ psi (Compression face)
 - $F_v = 165$ psi
 - $E = 1,800,000$ psi
 - Prefabricated structural wood for trusses (GLU-LAM)
 - $F_b = 2,600$ psi
 - $F_t = 1,400$ psi
 - $F_c = 1,200$ psi
 - $F_{c\perp} = 650$ psi
 - $F_v = 200$ psi
 - $E_b = 1,800,000$ psi
 - $E_t = 1,700,000$ psi
 - MICRO-LAM DATA:
 - $F_b = 2,500$ psi
 - $f_v = 285$ psi
 - $E = 2,000,000$ psi
 - Plywood shall be exterior type w/ exterior glue (DX) 'DFPA' trademark stamped.
- Minimum soil bearing capacity = 2,000 psf for wall ftg. and 2,000 psf for column footings. (soil boring log, if available, will become part of the construction documents.)
- Follow latest ACI, CRSI, and all applicable loads.
- Follow latest AISC Code for design, fabrication and erection of structural and miscellaneous steel.
- New concrete footings shall rest at elevation shown on foundation plan. \square represents top of column footing or wall footing.
- Steel fabricator shall punch 7/16" diameter holes @ 2'-0" +/- o.c. for wood anchorage where wood is attached to structural & miscellaneous steel.
- If for some unforeseen reason it becomes necessary to drop a column footing, Concrete Contractor shall provide a suitable concrete pier with minimum reinforcing per ACI. 16" sq. pier w/ (8)-#6 + #3 \square ties.
- Concrete Contractor shall be responsible for coordinating and providing concrete platforms/pedestals for electricals and mechanicals as and where required. Provide 1/2" isolator joint between pads and floor slab.
- At no place shall the thickness of the floor slab be less than specified. Concrete Contractor to locate and provide recesses in floor slab for plumbing, electricals and mechanicals.
- See architectural drawings for additional dimensions and information.
- Abbreviate U.S(N.).O. on drawings means "UNLESS SPECIFIED (NOTED) OTHERWISE".
- All steel columns shall, unless specified otherwise, have 3/4" cap and base plate with (4) 3/4" \emptyset bolts.
- Contractor shall adequately guy and brace all structural components to maintain safety and alignment during all phases of construction. Such guying and bracing shall remain in place until structure has reached adequate strength and is permanently braced.
- Some of these details are generic and others are anticipated to be used in future. Use them as and where appropriate.

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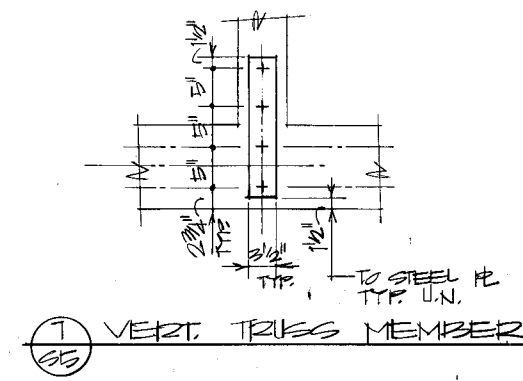
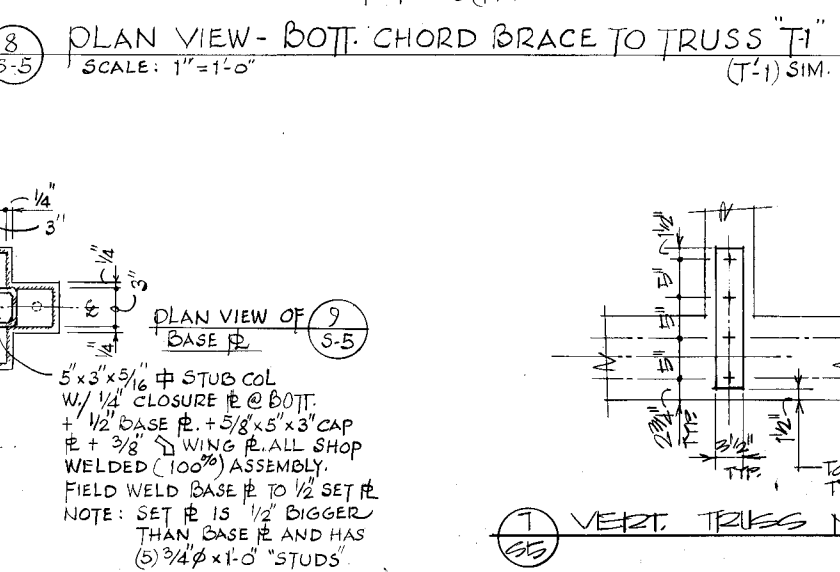
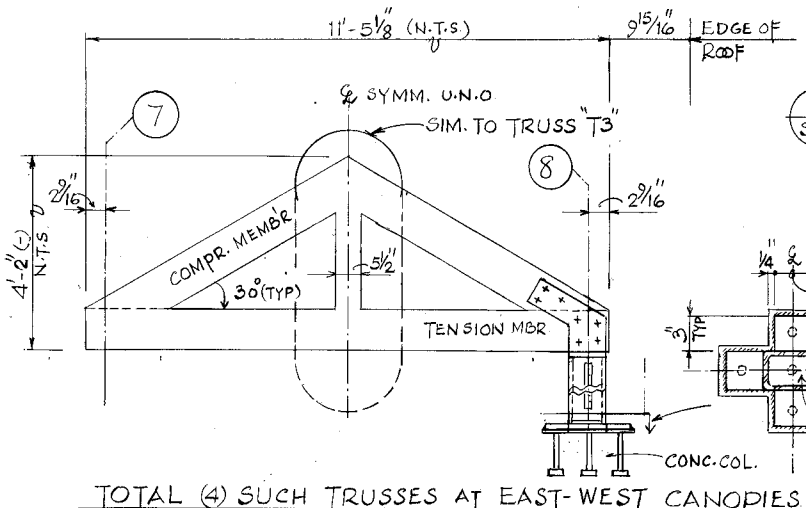
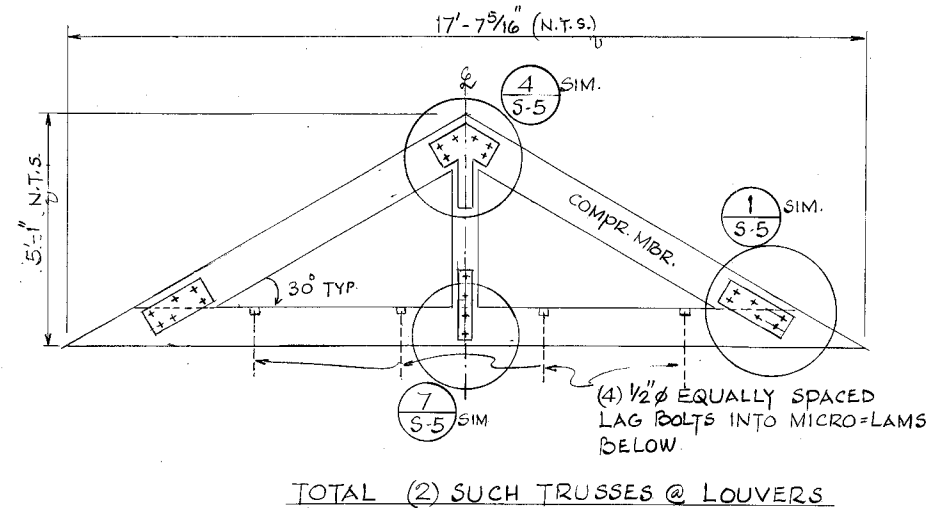
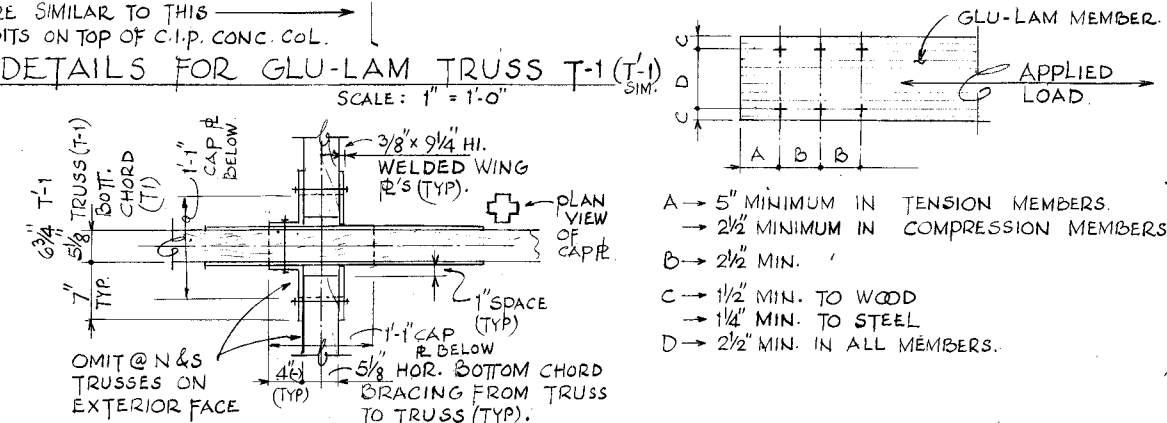
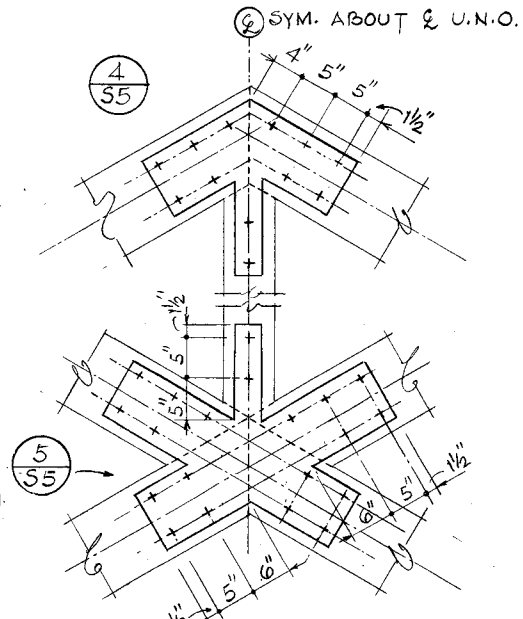
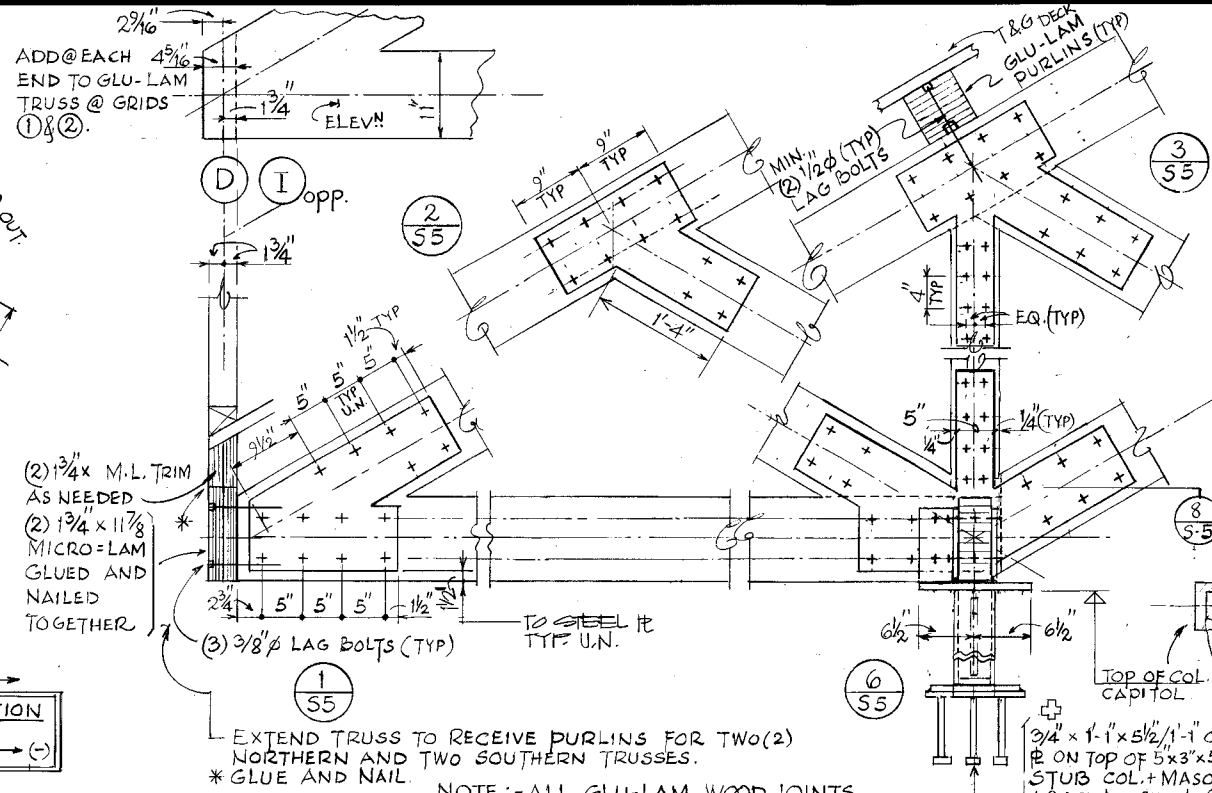
TYPICAL MEMBER SIZES FOR ALL GLU-LAM TRUSSES.

- TOP CHORD, BOTTOM CHORD & DIAG. WEBS = 5/8" x 11" (6 3/4" x 11" FOR T-1)
- VERTICAL WEBS = 5/8" x 5 1/2" GLU-LAM.
- ROOF PURLINS ABOVE TRUSS (T-1) = 6 3/4" x 6 7/8" GLU-LAM WITH 1 1/2" x 1 1/2" RECESS FOR UNISTRUT.
- BOTTOM CHORD BRACING = 5/8" x 12 3/8" GLU-LAM. CAMBER 1/2" WHERE NOTED.
- 2x6 T&G WOOD DECKING (MIN. TWO SPAN CONT.) (ARCHITECTURAL GRADE)
- GUSSET PLATES 5/16" MIN. GALV., PAINTED W/ COLOR SELECTED BY ARCHITECT. + 5/8" Ø THRU BOLTS GALV.
- GUSSET PLATES ARE ON BOTH FACES OF EVERY GLU-LAM TRUSS.
- USE TREATED WOOD FOR EXPOSED TO WEATHER MEMBERS.

TRUSS DIAGRAM NOTES:

- LOAD AND STRESSES SHOWN ABOVE ARE IN POUNDS AND REPRESENT MOST CRITICAL COMBINATION FOR VARIOUS DESIGN COMBINATION.

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LIGHTING FIXTURE SCHEDULE

NO	LAMP DATA		DESCRIPTION	LIGHTING FIXTURES		MTD.	CLG. TYPE	SEE NOTE	VOLTS
	NO.	TYPE		NAME	CATALOG NO.				
A	1	M250/3K BU	INDUSTRIAL HIGH BAY REMOTE MOUNT UNIT	BENJAMIN	IRM-250-120	SUSP.			120
				DAY-BRITE	R825MM-12-18A-56	SUSP.			120
				LUMARK	MHSS-5A18C-250-120	SUSP.			120
B	1	PAR 38	CYLINDER WITH BLACK MILLIGROOVE BAFFLE	PRESCOLITE	1125-920 BLK	SUSP.			120
				CAPRI	PC 1501 BLK	SUSP.			120
				HALO	H1312 BZ	SUSP.			120
D	2	2-PL26W	OPEN APERTURE DNLTs W/ALZAK REFLECTOR	PRESCOLITE	CFR826-492	RECESS			120
				OMEGA	EY8085 TW	RECESS			120
				COOPER	H17826-9826C	RECESS			120
F	1	100A	PORCELAIN LAMPHOLDER	PES	44	SURFACE			120
G	2	F40LW	2 LAMP STRIP W/SYM REFL	WILLIAMS	7622	SURFACE	LF-3		120
				DAY-BRITE	48295-4	SURFACE			120
G1	2	F40LW	SAME AS TYPE "G" EXCEPT SUSPENDED	LITHONIA	UN 248 120	SURFACE	LF-4		120
				WILLIAMS	7622	SUSP.	LF-3		120
				DAY-BRITE	48295-4	SUSP.			120
H	2	F40WW -WM	1X4 TROFFER W/(125) ACRYLIC LENS	LITHONIA	UN 248 120	SUSP.	LF-4		120
				WILLIAMS	EPF-5122-RWKA125	RECESS CONCEAL			120
				DAY-BRITE	SF142 MFS21A	RECESS CONCEAL			120
H1	2	F40 WW -WM	SAME AS TYPE "H" EXCEPT LAY-IN	LITHONIA	SF 240 A12.125120	RECESS CONCEAL			120
				WILLIAMS	EPF-5122-RWKA125	RECESS LAY-IN			120
				DAY-BRITE	SG 142-MFS21A	RECESS LAY-IN			120
J	2	F40WW -WM	WALL BRACKET	LITHONIA	SPG 240 A12.125 120	RECESS LAY-IN			120
				BENJAMIN	CZX-2224-4 W	WALL			120
				METALUX	BIU-240-120	WALL			120
L	3	F40 WW -WM	2X4 TROFFER W/(125) ACRYLIC LENS	LITHONIA	WB 240	WALL	LF-1		120
				WILLIAMS	EPF-5223-RWKA125	RECESS LAY-IN			120
				DAY-BRITE	SG 243-MFS210	RECESS LAY-IN			120
M	1	F40 WW -WM	SINGLE LAMP STRIP	LITHONIA	ZGT 340 A12.125120	RECESS LAY-IN			120
				WILLIAMS	7520	SURFACE	LF-2		120
				DAY-BRITE	S-140 HRS	SURFACE	LF-2		120
T	1	R-20	ROUND BACK CYLINDER FOR LIGHT TRACK	LITHONIA	S-140 HRS120	SURFACE	LF-2		120
				PRESCOLITE	TH12	TRACK			120
				CAPRI	KT220-2	TRACK			120
X	1	PL-7	EXIT MATTE BLACK STENCIL FACE	LITHONIA	TCR-20	TRACK			120
				LITHONIA	FAS 1R	SURFACE			120
				SILTRON	UXF-DR-120-B	SURFACE			120
XI	1	PL-7	SAME AS TYPE "X" EXCEPT PENDANT MOUNTED	DUAL-LITE	FLX-1-RB	SURFACE			120
				LITHONIA	FAS 1R	PENDANT	LF-5		120
				SILTRON	UXF-DR-120-B	PENDANT	LF-6		120
				DUAL-LITE	FLX-1-RB	PENDANT	LF-7		120

NOTES

1. LIGHT FIXTURE SHALL BE PROVIDED WITH TOP AND BOTTOM ACRYLIC LENS.
2. LIGHT FIXTURES MOUNTED FACING UP ON TOP OF BACK COUNTER AT INFORMATION COUNTER.
3. INCLUDE SYMMETRIC REFLECTOR CAT NO. R1240.
4. INCLUDE SYMMETRIC REFLECTOR CAT NO. AS48.
5. INCLUDE STEM CAT. NO. ES12.
6. INCLUDE STEM CAT NO. P12.
7. INCLUDE STEM CAT NO. FF-PM-B.

SPECIAL OUTLET SCHEDULE

GENERAL: Drawing Symbol -

MARK	EQUIPMENT SERVED			ELECTRICAL CHARACTER						PWR. SOURCE		TERMINAL			SD	NOTE
TO	UD	TYPE		LOC	HP	KW	AMPS	VOLT	Ø	PANEL	C/B	R	D	B		
HD		HAND DRYER				2.0	(30)	120	1	SEE DWG				X		
DF1		DRINKING FOUNTAIN - SINGLE				0.6		120	1	SEE DWG	X					
DF2		DRINKING FOUNTAIN - 2 LEVEL				0.6		120	1	SEE DWG	X					
V		VENDING MACHINE				1.0		120	1	SEE DWG	X					
UH		ELEC. CABINET UNIT HTR.				6.0		208	3	SEE DWG				X		
B1		ELEC. BASE BOARD HTR.				1.0		208	1	SEE DWG				X		
B2		ELEC. BASE BOARD HTR.				1.0		208	1	SEE DWG				X		
CH		ELEC. CEILING HEATER				5.0		208	3	SEE DWG				X		
	E1	ELEC. WALL HEATER	RM21			4.0		208	1	A 17				X		
W1		WATER HEATER TYPE A				12.0	(30)	208	3	SEE DWG			X			
	W2	WATER HEATER TYPE B	RM27			4.6	(30)	208	1	A 13				X		
	W3	WATER HEATER TYPE C	RM20			8.0	(50)	208	1	A 12				X		
E2		ELEC. WALL HEATER				1.5		208	1	SEE DWG				X		
	HT	HEAT TAPE - WELL PUMP CONTROL	POND			1.0		120	1	C 33					1	
	SV	SOL VALVE - FOUNTAIN CONTROL	POND			1.0		120	1	C 35					1	
TC		TEMPERATURE CONTROL PANEL				0.5		120	1	SEE DWG				X		
	HI	UNIT HEATER - MAINT. BLDG.	MAINT. BLDG.			15		208	3	M 5				X		

MOTOR WIRING SCHEDULE

NO.	MOTOR CHARACTERISTICS			X-REF. DES.	PWR FEED		STARTER					CONTROL					MW	NOTE			
	HP	VOLT	#		DRIVING/LOCATION	SOURCE	NO	TYPE	F	I	W	LOC.	TYPE	F	I	W			LOC.		
1	50 MCA	208	3	CONDENSING UNIT	C.U.1	MOP	-	MAG	H	V	E	E	I	U					1		
2	50 MCA	208	3	CONDENSING UNIT	C.U.2	MOP	-	MAG	H	V	E	E	I	U					1		
3	17 MCA	208	3	CONDENSING UNIT	C.U.3	MOP	-	MAG	H	V	E	E	I	U					2		
4	3.0	208	3	AIR HANDLING UNIT	A.C.1	B	25	COMB	H	V	E	E	I	U							
5	1/2	208	3	EXHAUST FAN	E.F.1	B	16	COMB	H	V	E	E	I	U							
6	3.0	208	3	AIR HANDLING UNIT	A.C.2	C	15	COMB	H	V	E	E	I	U							
7	1/2	208	3	EXHAUST FAN	E.F.2	C	28	COMB	H	V	E	E	I	U							
8	1/3	120	1	GAS FURNACE	G.F.1	A	11	MAN.	H	V	E	E	I	U							
9	3.3 MCA	120	1	EXHAUST FAN	E.F.3	A	33	-	-	-	-	-	-	-	SPEED SWITCH	E	E	E	E	20	3
10	1.0 MCA	120	1	EXHAUST FAN	E.F.4	A	6	-	-	-	-	-	-	-	LIGHT SWITCH	E	E	E	E	27	4
11				NOT USED																	
12	1/2	120	1	AIR COMPRESSOR		B	12	MAN	V	E	E	E	I	U							
13	1/11	120	1	CEILING TRANS. FAN	T.F.1	A	30	MAN	H	V	E	E	E	I	U						
14	1/11	120	1	CEILING TRANS. FAN	T.F.2	A	32	MAN	H	V	E	E	E	I	U						
15	10	208	3	FLOAT, FOUNT. PUMP		C	39	MAG	V	E	E	E	I	U							5.6
16	2	208	3	WELL PUMP		C	38	MAG	V	E	E	E	I	U							5.6
17	1.9A	120	1	GAS DUCT FURNACE	G.D.F.1	B	34	MAN	H	V	E	E	E	I	U						
18	1.9A	120	1	GAS DUCT FURNACE	G.D.F.2	C	44	MAN	H	V	E	E	E	I	U						

NOTES

1. INSTALLED UNDER A FUTURE/CONCURRENT CONTRACT.

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NOTES

1. PROVIDE WATERPROOF DISCONNECT SWITCH, SQUARE D, MODEL NO. DU323RB.
2. PROVIDE WATERPROOF DISCONNECT SWITCH, SQUARE D, MODEL NO. DU321RB.
3. WIRE TO SPEED SWITCH
4. WIRE TO LIGHT SWITCH IN ROOM 27.
5. INSTALLED UNDER A FUTURE/CONCURRENT CONTRACT.
6. STARTERS LOCATED IN CONTROL PANEL

ABBREVIATIONS

IU	INTEGRAL TO UNIT
NU	NEAR UNIT
HV	HEATING/VENTILATING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
F	FURNISHED BY
I	INSTALLED BY
W	WIRED BY
CP	CONTROL PANEL

DATE 23APR13		E S T I M A T E O F Q U A N T I T I E S			
LINE					1030-31-71
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	SPV. 0105	SPECIAL 01. REST AREA 26 REMOVING SKYLI GHT	LS	1. 000	1. 000
0020	SPV. 0105	SPECIAL 02. REST AREA 26 ASPHALT SHI NGLE ROOF REPLACEMENT	LS	1. 000	1. 000
0030	SPV. 0165	SPECIAL 01. 5/8-INCH PLYWOOD DECKING	SF	640. 000	640. 000



Wisconsin Department of Transportation

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