



POOR ORIGINAL



APPROX LF 309'-0"


- NOTES:
1. ALL PIPING TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SPECIFICATIONS 1220-0-200.
  2. FOR MATERIAL DESCRIPTION OF PIPE, VALVES AND FITTINGS, SEE PIPING DATA SHEET, PG. 8-44.
  3. FOR PIPING AND INSTRUMENT SIZING SEE SPEC. 6-457 5M SA, 500.
  4. FOR INSTRUMENT LIST SEE 6-445.
  5. FOR INSTRUMENT CONNECTION DETAILS SEE DRAWING 6-451.
  6. NO ALLOWANCE HAS BEEN MADE FOR WELDED JOINTS OR GASKETS AND ALL FITTINGS IS SUBMITTED TO THE USER SELECTED POSITION UNLESS OTHERWISE NOTED ON THIS DRAWING.
  7. FOR PIPING SYSTEM COMPACT TRAINING (S) THIS AREA SEE PG. 8-445, 8-446, 8-447, 8-448, 8-449, 8-450, 8-451, 8-452, 8-453, 8-454, 8-455, 8-456, 8-457, 8-458, 8-459, 8-460, 8-461, 8-462, 8-463, 8-464, 8-465, 8-466, 8-467, 8-468, 8-469, 8-470, 8-471, 8-472, 8-473, 8-474, 8-475, 8-476, 8-477, 8-478, 8-479, 8-480, 8-481, 8-482, 8-483, 8-484, 8-485, 8-486, 8-487, 8-488, 8-489, 8-490, 8-491, 8-492, 8-493, 8-494, 8-495, 8-496, 8-497, 8-498, 8-499, 8-500, 8-501, 8-502, 8-503, 8-504, 8-505, 8-506, 8-507, 8-508, 8-509, 8-510, 8-511, 8-512, 8-513, 8-514, 8-515, 8-516, 8-517, 8-518, 8-519, 8-520, 8-521, 8-522, 8-523, 8-524, 8-525, 8-526, 8-527, 8-528, 8-529, 8-530, 8-531, 8-532, 8-533, 8-534, 8-535, 8-536, 8-537, 8-538, 8-539, 8-540, 8-541, 8-542, 8-543, 8-544, 8-545, 8-546, 8-547, 8-548, 8-549, 8-550, 8-551, 8-552, 8-553, 8-554, 8-555, 8-556, 8-557, 8-558, 8-559, 8-560, 8-561, 8-562, 8-563, 8-564, 8-565, 8-566, 8-567, 8-568, 8-569, 8-570, 8-571, 8-572, 8-573, 8-574, 8-575, 8-576, 8-577, 8-578, 8-579, 8-580, 8-581, 8-582, 8-583, 8-584, 8-585, 8-586, 8-587, 8-588, 8-589, 8-590, 8-591, 8-592, 8-593, 8-594, 8-595, 8-596, 8-597, 8-598, 8-599, 8-600, 8-601, 8-602, 8-603, 8-604, 8-605, 8-606, 8-607, 8-608, 8-609, 8-610, 8-611, 8-612, 8-613, 8-614, 8-615, 8-616, 8-617, 8-618, 8-619, 8-620, 8-621, 8-622, 8-623, 8-624, 8-625, 8-626, 8-627, 8-628, 8-629, 8-630, 8-631, 8-632, 8-633, 8-634, 8-635, 8-636, 8-637, 8-638, 8-639, 8-640, 8-641, 8-642, 8-643, 8-644, 8-645, 8-646, 8-647, 8-648, 8-649, 8-650, 8-651, 8-652, 8-653, 8-654, 8-655, 8-656, 8-657, 8-658, 8-659, 8-660, 8-661, 8-662, 8-663, 8-664, 8-665, 8-666, 8-667, 8-668, 8-669, 8-670, 8-671, 8-672, 8-673, 8-674, 8-675, 8-676, 8-677, 8-678, 8-679, 8-680, 8-681, 8-682, 8-683, 8-684, 8-685, 8-686, 8-687, 8-688, 8-689, 8-690, 8-691, 8-692, 8-693, 8-694, 8-695, 8-696, 8-697, 8-698, 8-699, 8-700, 8-701, 8-702, 8-703, 8-704, 8-705, 8-706, 8-707, 8-708, 8-709, 8-710, 8-711, 8-712, 8-713, 8-714, 8-715, 8-716, 8-717, 8-718, 8-719, 8-720, 8-721, 8-722, 8-723, 8-724, 8-725, 8-726, 8-727, 8-728, 8-729, 8-730, 8-731, 8-732, 8-733, 8-734, 8-735, 8-736, 8-737, 8-738, 8-739, 8-740, 8-741, 8-742, 8-743, 8-744, 8-745, 8-746, 8-747, 8-748, 8-749, 8-750, 8-751, 8-752, 8-753, 8-754, 8-755, 8-756, 8-757, 8-758, 8-759, 8-760, 8-761, 8-762, 8-763, 8-764, 8-765, 8-766, 8-767, 8-768, 8-769, 8-770, 8-771, 8-772, 8-773, 8-774, 8-775, 8-776, 8-777, 8-778, 8-779, 8-780, 8-781, 8-782, 8-783, 8-784, 8-785, 8-786, 8-787, 8-788, 8-789, 8-790, 8-791, 8-792, 8-793, 8-794, 8-795, 8-796, 8-797, 8-798, 8-799, 8-800, 8-801, 8-802, 8-803, 8-804, 8-805, 8-806, 8-807, 8-808, 8-809, 8-810, 8-811, 8-812, 8-813, 8-814, 8-815, 8-816, 8-817, 8-818, 8-819, 8-820, 8-821, 8-822, 8-823, 8-824, 8-825, 8-826, 8-827, 8-828, 8-829, 8-830, 8-831, 8-832, 8-833, 8-834, 8-835, 8-836, 8-837, 8-838, 8-839, 8-840, 8-841, 8-842, 8-843, 8-844, 8-845, 8-846, 8-847, 8-848, 8-849, 8-850, 8-851, 8-852, 8-853, 8-854, 8-855, 8-856, 8-857, 8-858, 8-859, 8-860, 8-861, 8-862, 8-863, 8-864, 8-865, 8-866, 8-867, 8-868, 8-869, 8-870, 8-871, 8-872, 8-873, 8-874, 8-875, 8-876, 8-877, 8-878, 8-879, 8-880, 8-881, 8-882, 8-883, 8-884, 8-885, 8-886, 8-887, 8-888, 8-889, 8-890, 8-891, 8-892, 8-893, 8-894, 8-895, 8-896, 8-897, 8-898, 8-899, 8-900, 8-901, 8-902, 8-903, 8-904, 8-905, 8-906, 8-907, 8-908, 8-909, 8-910, 8-911, 8-912, 8-913, 8-914, 8-915, 8-916, 8-917, 8-918, 8-919, 8-920, 8-921, 8-922, 8-923, 8-924, 8-925, 8-926, 8-927, 8-928, 8-929, 8-930, 8-931, 8-932, 8-933, 8-934, 8-935, 8-936, 8-937, 8-938, 8-939, 8-940, 8-941, 8-942, 8-943, 8-944, 8-945, 8-946, 8-947, 8-948, 8-949, 8-950, 8-951, 8-952, 8-953, 8-954, 8-955, 8-956, 8-957, 8-958, 8-959, 8-960, 8-961, 8-962, 8-963, 8-964, 8-965, 8-966, 8-967, 8-968, 8-969, 8-970, 8-971, 8-972, 8-973, 8-974, 8-975, 8-976, 8-977, 8-978, 8-979, 8-980, 8-981, 8-982, 8-983, 8-984, 8-985, 8-986, 8-987, 8-988, 8-989, 8-990, 8-991, 8-992, 8-993, 8-994, 8-995, 8-996, 8-997, 8-998, 8-999, 9-000.
  8. PIPE HANGERS SHALL BE PROVIDED WITH A MINIMUM CONTROLLING NUMBER OF FITTINGS TO THE NORMAL PIPE HANGER.
  9. FOR PIPING AND INSTRUMENT SYMBOLS SEE PG. 6-445 THREE 1/2".
  10. FIELD NOTED POINTS SPECIFICALLY IDENTIFIED ARE INDICATED BY (F-1) THROUGH (F-10).
  11. FOR POINTS AND DATA SEE DRAWING 6-445, POINTS AND DATA ARE INDICATED BY (P-1) THROUGH (P-10).
  12. ALL TAGS TO FACE AND END TO FACE OF POINTS VALVES ARE PER AREA 8-10. UNLESS OTHERWISE NOTED.
  13. INDICATED SECTION BEHIND EXTERIOR WALL PENETRATION.
  14. INDICATED FLOOR OR WALL PENETRATION.

PRO APERTURE CARD

CERTIFICATE OF MICROFILMING  
 I certify that the items contained on this  
 from up to 90% in the normal and regular course  
 of business in the field stated below and that  
 it is an accurate reproduction of the document  
 submitted to the contractor for filing, by  
 Doughty Power Corporation.

44-18 For Service See Contract  
 DATE: 10/20/64 CONTRACTOR: SUPPLY

NO.	DATE	BY	DESCRIPTION
1	10/20/64	J. J. ...	ISSUED TO REFLECT REV. 10-15-64 AND REV. 10-15-64 TO THE ORIGINAL AND REVISED COURSE OF WORKING IN THE FIELD STATED BELOW AND THAT IT IS AN ACCURATE REPRODUCTION OF THE DOCUMENT SUBMITTED TO THE CONTRACTOR FOR FILING, BY DOUGHTY POWER CORPORATION.
2	10/20/64	J. J. ...	ISSUED TO REFLECT REV. 10-15-64 AND REV. 10-15-64 TO THE ORIGINAL AND REVISED COURSE OF WORKING IN THE FIELD STATED BELOW AND THAT IT IS AN ACCURATE REPRODUCTION OF THE DOCUMENT SUBMITTED TO THE CONTRACTOR FOR FILING, BY DOUGHTY POWER CORPORATION.
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<b>BECHTEL</b> AND ASSOCIATES			
MIDLAND PLANT UNITS 1 & 2 CONSUMERS POWER COMPANY			
HANGER ISOMETRIC AUX. BLDG. SAFETY RELATED CHILLED WATER SYSTEM UNIT 2, TRAIN A, RETURN			
REV.	DATE	BY	APP'D.
7220	H-6575H4 (C)	J. J. ...	J. J. ...

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REV.	DATE	BY	APP'D.

RIDS

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